DL-300E
DOWNLOADABLE CONTROL COMMUNICATOR
INSTALLATION MANUAL

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DL-300E
INSTALLATION
MANUAL

General Description

The DAS DL-300E is a versatile 16 expandable to 32 zone up/downloadable security control with a built-in digital communicator. Its microcomputer design gives some of the most versatile, yet easy to use features available for most security applications today. Some of the features of the DL-300E include; Paritionable up to four separate systems, dual reporting, Partial Mode (for at home monitoring), 30 user codes, internal log, time restriction options for user codes, dynamic battery test, domestic dialing format, plus many more. Each of the 32 zones can be programmed to be one of nine different types including 24 Hour, Handover, Day Zone, and secondary entry. The system can be used with LCD or LED code pads, keyswitches, or radio remote arming. Each zone is individually annunciated and can be isolated from the code pad if so enabled. See page 14 for a description of all zone types. Read the OPERATOR'S MANUAL before you begin the installation for the best overall description of how the DL-300E functions. After installation of the security system, complete the information on page 1 of the operator's manual and explain the system operation to all security system owners/operators.

Standard Parts List

QUANTITY	PARTS DESCRIPTION	PART #
1	MASTER CONTROL PANEL W/O CODE PAD	FS4533
20	3K3 ½ WATT EOL RESISTORS	EOL-33
1	(4) WIRE LEAD FOR AUX OUTPUTS	8920
1	INSTALLATION MANUAL	IM-DL-300E
1	OPERATORS MANUAL	OM-DL-300E

Optional Parts List

The following parts are available for use with the DL300E.

OPTIONAL PARTS DESCRIPTION	PART #
16 LED REMOTE CODE PAD	FS4531
LCD ALPHA NUMERIC DISPLAY CODE PAD	FS4534
AC POWER SUPPLY 16.5V 3 AMP PLUG PACK	FS4426
SMART PROGRAMMER WITH LCD DISPLAY	FS461 0
PROGRAMMER WITH DIGITAL NUMERIC DISPLAY	FS4597
8 WAY RELAY OUTPUT MODULE	FS4634
16 WAY VOLTAGE OUTPUT MODULE	FS4614
16 WAY X-10 VOLTAGE OUTPUT MODULE	FS4804
12 VOLT 6.5 AMP HOUR BATTERY	FS4312

FEATURE DEFINITIONS

Partitions **-** The DL-300E can be partitioned into a maximum of four separate systems with distinct reporting codes and user codes per system. See page 23 for instructions.

Secondary Exit Delay - Used most often for garage doors, this zone type is a second entry/exit delay that has its own delay times, independent of the standard entry/exit delay zone.

Group Isolate **-** Zones can be programmed to isolate as a group when the [*] digit is pressed during the exit delay. This feature is enabled in Locations 155-170: *Assigning Special Characteristics For Zones* beginning on page 14 of this manual.

Partial Mode **-** This unique low level arming allows you to remain inside your home and only arm areas that are not occupied. For example, Night Arming.

Chime **-** This lowest level of security can be enabled by zone (see page 15, Locations 171-186: *Assigning Audible Characteristics For Zones)* to create a one second tone through the code pad sounder when the system is disarmed and a zone is violated. If so programmed, this feature can be turned on and off by a one digit keypress programmed in Location 244: *Assigning The Chime Code* on page 23 of this manual.

Auto Isolate Enable **-** When enabled in locations 205, the DL-300E can be armed with zones violated, lacking a green "Secure" light on the code pad. Under this condition, all zones that are not secure at the end of the exit delay will become isolated All zones that become secured before the end of the exit delay will become active in the system.

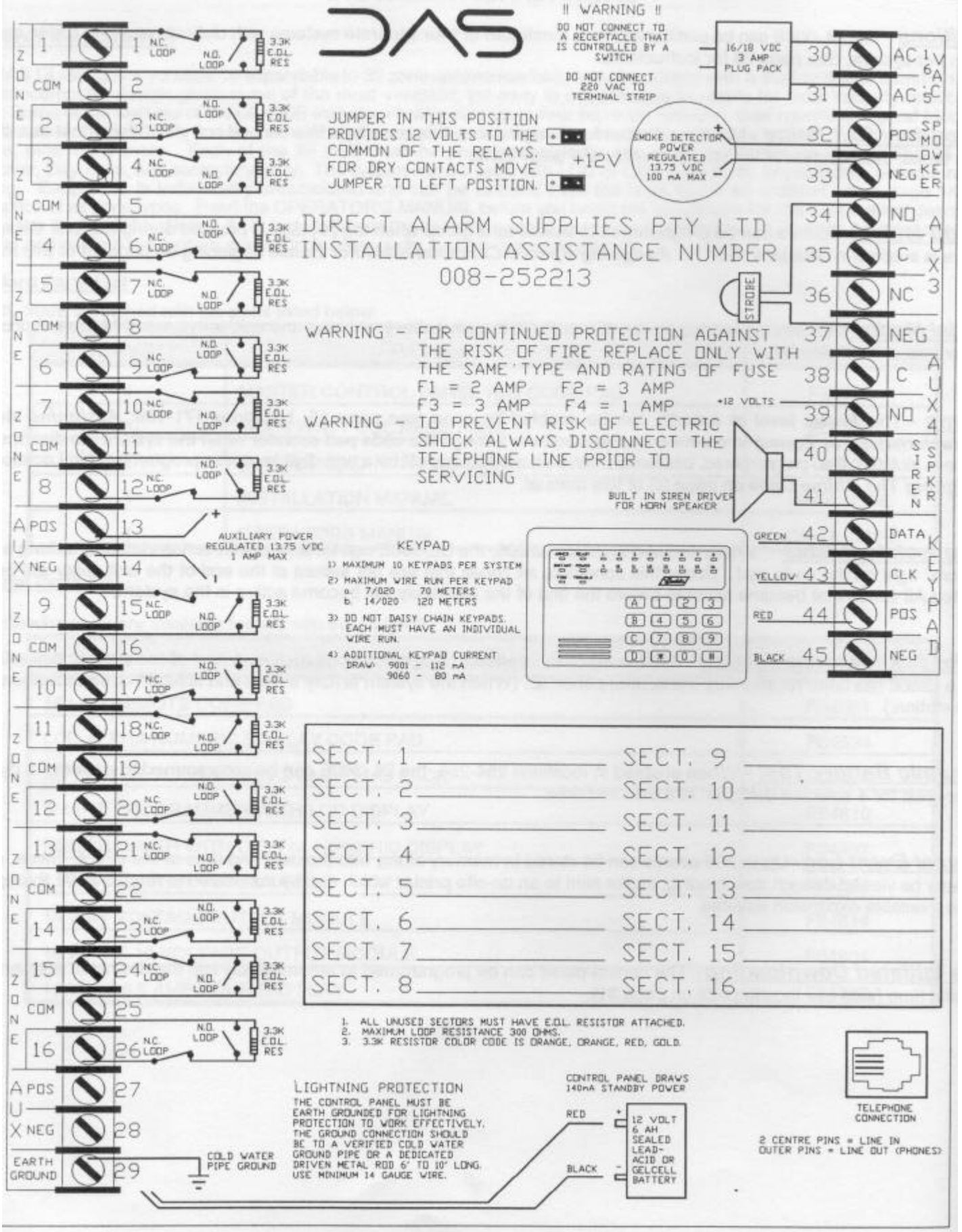
Dialer Acknowledge Feature- When enabled in location 212, a two second audible output of the siren or bell will occur after a kissoff has been received by the control panel. I E. (When the system is fully armed and finished communication to the base station.)

Dynamic Battery Test **-** When enabled in locations 254-255, the DL-300E can be programmed to perform a dynamic battery test for a selected duration, at a selected time.

Internal Event Log - Up to 256 events can be stored in memory along with the date and time of the event. These events can later be viewed through downloading, and/or sent to an on-site printer which can be connected to the DL-300E through one of the available expansion devices.

Site Initiated Downloading - The control panel can be programmed to automatically call the download software at a specific time (also see location 622 on page 31).

TERMINAL DRAWING & SPECIAL NOTES


!! WARNING !!
DO NOT CONNECT TO A RECEPTACLE THAT IS CONTROLLED BY A SWITCH
DO NOT CONNECT 220 VAC TO TERMINAL STRIP
16/18 VDC 3 AMP PLUG PACK
JUMPER IN THIS POSITION PROVIDES 12 VOLTS TO THE COMMON OF THE RELAYS. FOR DRY CONTACTS MOVE JUMPER TO LEFT POSITION.
+12V
SMOKE DETECTOR POWER REGULATED 13.75 VDC 100 mA MAX
DIRECT ALARM SUPPLIES PTY LTD
INSTALLATION ASSISTANCE NUMBER
008-252213
STROBE
WARNING - FOR CONTINUED PROTECTION AGAINST THE RISK OF FIRE REPLACE ONLY WITH THE SAME TYPE AND RATING OF FUSE
F1 = 2 AMP F2 = 3 AMP
F3 = 3 AMP F4 = 1 AMP
WARNING - TO PREVENT RISK OF ELECTRIC SHOCK ALWAYS DISCONNECT THE TELEPHONE LINE PRIOR TO SERVICING
+12 VOLTS
BUILT IN SIREN DRIVER FOR HORN SPEAKER
AUXILIARY POWER REGULATED 13.75 VDC 1 AMP MAX
KEYPAD
1) MAXIMUM 10 KEYPADS PER SYSTEM
2) MAXIMUM WIRE RUN PER KEYPAD
a. 7/020 70 METERS
b. 14/020 120 METERS
3) DO NOT DAISY CHAIN KEYPADS. EACH MUST HAVE AN INDIVIDUAL WIRE RUN.
4) ADDITIONAL KEYPAD CURRENT DRAW 9001 - 112 mA
9060 - 80 mA
SECT. 1
SECT. 2
SECT. 3
SECT. 4
SECT. 5
SECT. 6
SECT. 7
SECT. 8
SECT. 9
SECT. 10
SECT. 11
SECT. 12
SECT. 13
SECT. 14
SECT. 15
SECT. 16
1. ALL UNUSED SECTORS MUST HAVE E.O.L. RESISTOR ATTACHED.
2. MAXIMUM LOOP RESISTANCE 300 OHMS.
3. 3.3K RESISTOR COLOR CODE IS ORANGE, ORANGE, RED, GOLD.
LIGHTNING PROTECTION
THE CONTROL PANEL MUST BE EARTH GROUNDED FOR LIGHTNING PROTECTION TO WORK EFFECTIVELY. THE GROUND CONNECTION SHOULD BE TO A VERIFIED COLD WATER GROUND PIPE OR A DEDICATED DRIVEN METAL ROD 6' TO 10' LONG. USE MINIMUM 14 GAUGE WIRE.
COLD WATER PIPE GROUND
CONTROL PANEL DRAWS 140mA STANDBY POWER
RED
BLACK
12 VOLT 6 AH SEALED LEAD-ACID OR GELCELL BATTERY
TELEPHONE CONNECTION
2 CENTRE PINS = LINE IN
OUTER PINS = LINE OUT (PHONES)

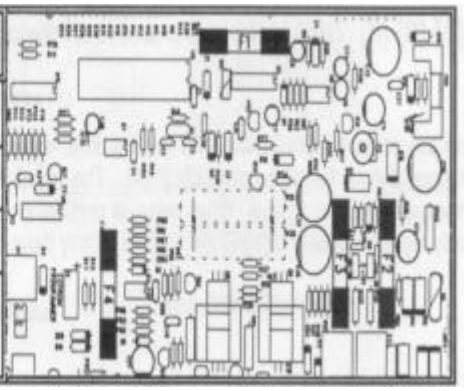
TERMINAL DESCRIPTION

TERMINAL #	DESCRIPTION
1	Connect one side of zone 1 loop. Connect other side of loop to common terminal 2. Open or short causes alarm.
2	Common (-) Terminal.
3	Connect one side of zone 2 loop. Connect other side of loop to common terminal 2. Open or short causes alarm.
4-12	See Terminal Drawing and repeat the above sequence for zones 3 through 8.
13-14	Auxiliary power, regulated 12VDC. Maximum 700mA for all Auxiliary power outputs.
15-26	See Terminal Drawing and continue above described hookup zones 9 through 16.
27-28	Auxiliary power, regulated 12VDC. Maximum 700mA for all Auxiliary power outputs.
29	Earth Ground, connect to a cold water pipe, or 6 to 10 foot driven rod.
30-31	AC input, connect a 16.5V 50VA approved transformer.
32-33	Resettable 12VDC 250mA Aux power.(Memory reset and/or Smoke detector power)
34-36	Form C programmable on board relay output. Tied to auxiliary output #3.
37	Negative, provided as a convenience for relay connection.
38-39	Form A programmable on board relay output. Tied to auxiliary output #4.
40-41	Siren driver output to speaker(s). Min speaker rating 30/40 watt at 4, 8, or 16 ohms). See page ? for connection diagram. When a 10/15 watt speaker is used, connect one wire to terminal 40 or 41 and the other wire to terminal 37.
42-45	Connect code pad wires as follows; Green to terminal 42, Yellow to Terminal 43, Red to terminal 44, and Black to terminal 45. Maximum run with 7/020 cable is 70 meters. Maximum run with 14/020 cable is 120 meters. A maximum of 4 code Pads may be Connected.
Battery :Leads	Connect to 12VDC lead acid rechargeable battery: Black(-) & Red(+). Do not use a dry cell battery.

F1 C

FUSE DESCRIPTION

FUSE #	DESCRIPTION
F1	2 AMP / Auxiliary Power.
F2	3 AMP / Auxiliary Outputs 3 & 4.
F3	3 AMP / Siren Driver.
F4	1 AMP / Code pad and Smoke Detector Power.



PROGRAMMING

The DL-300E can be placed into the "Program" mode by use of the new **FS4610 Smart Programmer,** or the original FS4597 programmer or for code pad programming, by utilizing the FS4534 LCD code pad (the preferred method) or the FS4531 LEL code pad. These methods are described below.

Using a Programmer

The FS461 0 Smart Programmer has been designed to make programming of the DL-300E simpler as well as more efficient for users. The FS4610 programmer features up to 4 resident standard programs to allow for separate system standardization. Plug the optional model FS461 0 programmer into the 4-pin male outlet marked "program" on the DL-300E P.C. Board. We have also created a method that allows owners of the original FS4597 programmer to use this programmer with the DL-300E. The FS4597 will program all locations of the DL-300E but requires additional care for locations 400 and above. When the 400 location is reached, the two right 7 segment numeric displays will begin to flash on and off and the left side numeric display will change to "0". The flashing is a signal to add a 4 to the left side number to determine which location you are now programming. For example, if you are in location 575, the left (100's column) will be displaying a "1 ", the middle (10's column) will be flashing and displaying a "7", and the right (one's column) will be flashing and displaying a "5". By adding a 4 to the "1" displayed in left column, it is determined that the location number is 575.

Using The LCD Code pad

The most straightforward method of code pad programming is to utilize the FS4534 LCD Code pad in the programming mode. To access the programming mode enter [C] [0] [0], followed by the four digit "Go To Program" access code which is factory default [9] [0] [5] [0] (this code can be reprogrammed), and follow the code pad prompts.

Using The LED Code pad

The DL-300E can also be programmed by the standard binary method of code pad programming described below. However, with over 600 locations, this method will be difficult except for the most experienced programmer. When the FS4531 LED code pad is used for programming, enter the factory default four digit "Go To Program" access code of [9] [7] [1] [3]. NOTE: The DL300E must be disarmed to gain access to programming with this code. After entry of this code, the DL-300E will be in the "Program" mode, and the yellow LED's will display the data in location 000. The data is displayed using a Binary system. With this system the yellow zone 1 LED equals "1" when illuminated. The zone 2 LED equals "2" when illuminated. The zone 3 LED equals "4" when illuminated. The zone 4 LED equals "8" when illuminated. Thus if the data in location 000 is "9", the LED for zone 1 (=1) and zone 4 (=8) would be illuminated. By adding the two values together, (1+8=9) you would determine that the data in location 000 is "9". If the data in location 000 is "6", the LED or zone 2 (=2) and zone 3 (=4) would be added (2+4=6) indicating the data in that location to be "6". If no LED's are illuminated, the location contains a "0". To advance from location 000 through 635, press the [#] key. To go to a specific location, press the location number followed by the [#] key. The yellow LED's will then display the data in that location. Data is changed by entering a number 0 to 15 followed by [*] (* = data enter). Review the examples in figure 1 on the following page.

Important Function Codes

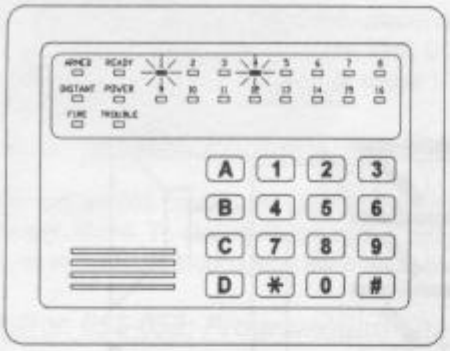
[9]-[5]-[O]-[#] When in the program mode, this function code can be used to write original factory default codes into the DL-300E.

[9]-[3]-[0]-[#] This function code is used to exit the programming mode after it was accessed via the code pad

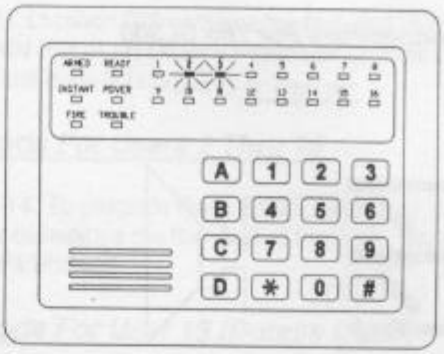
!!! **IMPORTANT** !!!

Before programming the DL-300E for the first time, enter the "Go To Program Code" [9][7][i][3] from the code pad, followed by the factory default function code [9][5][0][#]. The panel defaults will now match this installation manual and you may begin programming the control panel. When using an optional plug-in programmer which automatically enters the programming mode, the only entry necessary is [9][5][0][#] to load factory defaults.

PROGRAMMING EXAMPLE - FIGURE 2

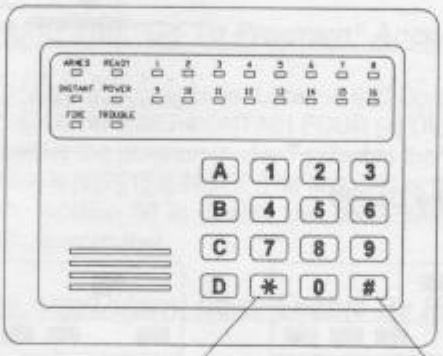


ZONE 1 LED = 1
ZONE 4 LED = 8
} DATA = 9



ZONE 2 LED = 2
ZONE 3 LED = 4
} DATA = 6

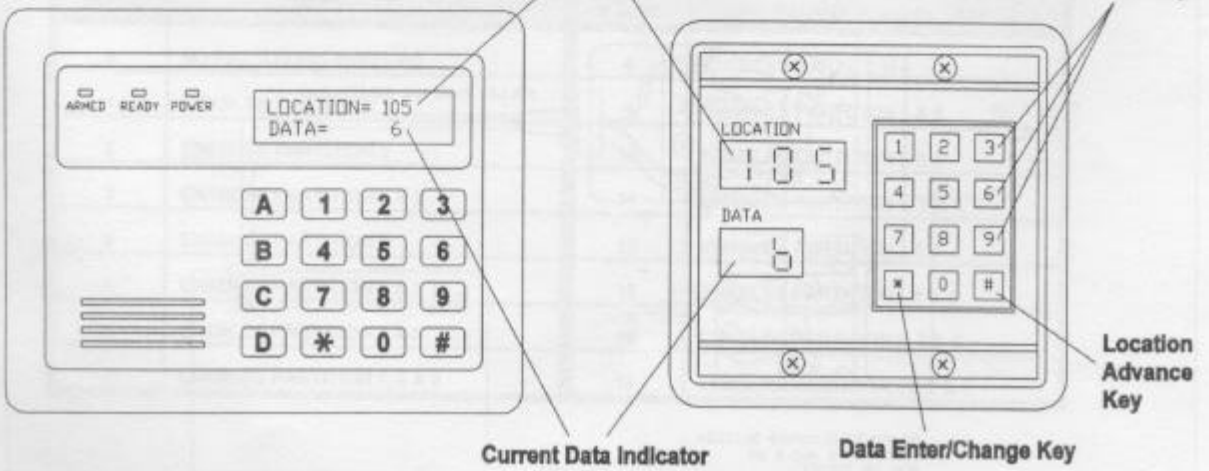
No LED's Illuminated = 0



To change or enter data in the location shown, enter the data and follow by the * Key.

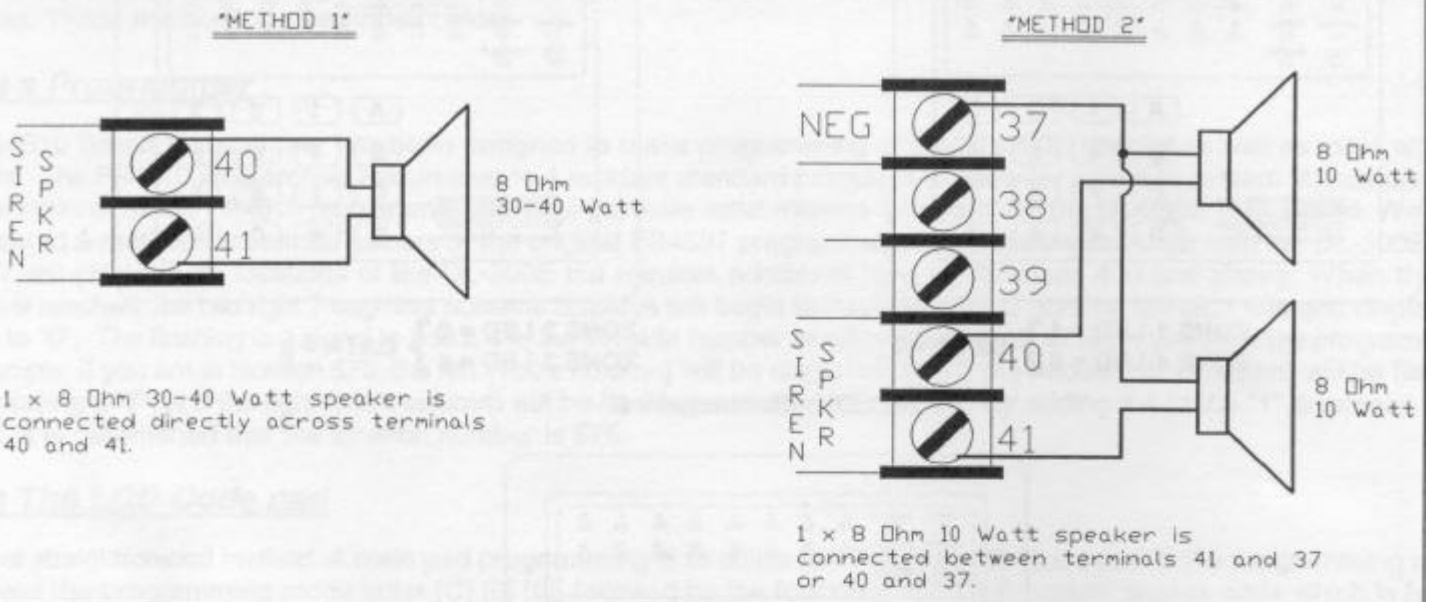
Pressing the # key will advance to the next location, or specific locations can be reached by pressing the location number followed by the # Key.

PROGRAMMERS - FIGURE 3



SPECIAL APPLICATION NOTES

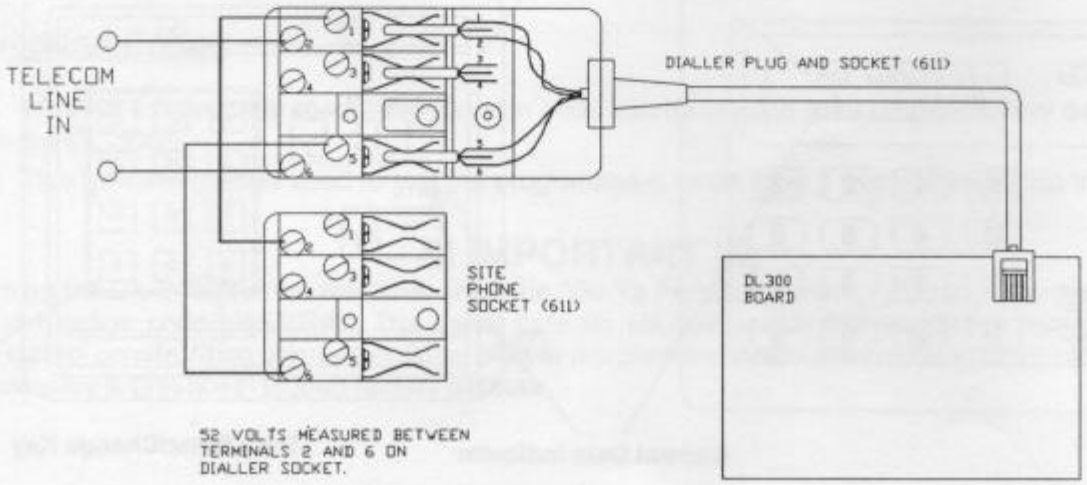
Siren Connections For The DL300



Keypad Dip Switch Settings For The DL300

Only switches 1 & 2 need to be changed. Switches 3 & 4 are always off.

Dialler Mode 3 Telecom Connections For The DL300


TELECOM LINE IN
DIALLER PLUG AND SOCKET (611)
SITE PHONE SOCKET (611)
DL300 BOARD
52 VOLTS MEASURED BETWEEN TERMINALS 2 AND 6 ON DIALLER SOCKET.

Location 000-003: Programming The Master Arm/Disarm Code

Locations 000-003 contain master arm/disarm code (user number 1). Location 000 contains the first digit of the code; location '003 contains the fourth digit of the code. THE CODE MUST CONTAIN FOUR (4) DIGITS. The master code can then be used in the RUN mode to enter arm/disarm codes 1-30. The factory default code is [i][2][3][4].

Location 004-055: Programming The Arm/Disarm Code For Users 2 Thru 14

Locations 004-055 contain the arm/disarm codes for users 2 thru 14. To program these codes, follow the instructions in the paragraph above. To disable these codes, program a "15" (factory default) as the first digit of the code. These codes can be changed in the RUN mode using the master code (refer to operator's manual).

Location 056-059: Programming ***The Arm/Disarm Code For User 15 (Duress Code)***

Locations 056-059 contain the arm/disarm code for user number 15 (Duress Code). To program this code, follow the instructions in the paragraph above. This code can be used as a duress code if so programmed in locations 320-323. Factory default for this code is "15", disabled.

Location 060-063: Programming The "Go To Program" Access Code

Locations 060-063 contain the "Go To Program" access code. Location 060 Contains the first digit of the code and location 063 contains the fourth digit of the code. THE CODE MUST CONTAIN FOUR (4) DIGITS. With the DL-300E disarmed, the "Go To Program" access code can be used to enter the program mode. To disable the "Go To Program" access code, program a "15" in location 060. The factory default setting is [9][7][1][3]. NOTE: The first digit of this code should not match the Quick-Arm digit. NOTE: If a "15" is programmed into location 60 to disable this code, programming can only be accessed through the downloading software or with a plug in programmer.

Location 064-079: Users 1-15 Arm/Disarm Code Enable By Partition

PARTITIONED SYSTEMS

If partitions are utilized, codes may be assigned to a specific partition by using locations 064-079. This is done by disabling each individual code (code 1 is location 064, code 15 is location 079) for each of the four partitions that code should not have access to. Codes are selected by adding the binary equivalents for each partition together and placing that number in the proper location. Partition One = 1, Partition Two = 2, Partition Three = 4, and Partition Four = 8. For example, if code 2 should only be valid for Partition Four, program a "8" in location 065. If code 10 is valid for Partitions Two, Three, and Four, a "14" would be programmed in location 073. Factory default is "15", code valid for all partitions.

VALUE	PARTITION SELECTION	VALUE	PARTITION SELECTION
0	NO PARTITIONS ENABLED	8	ENABLES PARTITION 4
1	ENABLES PARTITION 1	9	ENABLES PARTITION 1 & 4
2	ENABLES PARTITION 2	10	ENABLES PARTITION 2 & 4
3	ENABLES PARTITION 1 & 2	11	ENABLES PARTITION 1, 2 & 4
4	ENABLES PARTITION 3	12	ENABLES PARTITION 3 & 4
5	ENABLES PARTITION 1 & 3	13	ENABLES PARTITION 1,3 & 4
6	ENABLES PARTITION 2 & 3	14	ENABLES PARTITION 2, 3 & 4
7	ENABLES PARTITION 1, 2 & 3	15	ENABLES PARTITION 1,2,3 & 4

NON-PARTITIONED SYSTEMS

When partitioning is not being utilized, locations 064-079 can be used to control the arming and disarming authority of the individual arm/disarm codes. A code can be given limited authority by programming a number from 1 to 15 in the corresponding location for that code. Add the values in the table below that correspond to the desired arm/disarm characteristics, and program the sum in the appropriate locations. -

VALUE	AUTHORISATION LEVEL	VALUE	AUTHORISATION LEVEL
0	**NO AUTHORISATION LEVEL** (USED FOR AUXILIARY OUTPUT)	9	**REGULAR ARM/DISARM CODE OPEN/CLOSE REPORTS BY USER**
1	**REGULAR ARM/DISARM CODE**	10	ARM ONLY AFTER CLOSING TIME OPEN/CLOSE REPORTS BY USER
2	**ARM ONLY AFTER CLOSING TIME** NORMALLY REGULAR CODE, CHANGE TO ARM ONLY CODE AFTER THE CLOSING TIME, RESET AT THE OPEN TIME	12	ARM ONLY CODE OPEN/CLOSE REPORTS BY USER
4	**ARM ONLY CODE**		

Location 080-095: Programming Phone #1

Phone #1 is programmed in successive locations beginning with location 080. Delays of four seconds can be programmed at any poir the phone number by programming a "13" in the appropriate location. If tone dialing is desired, program a "15" in the location where dialing should begin. If the entire number should be tone dialing, program a "15" in location 080. Factory default is "14" in each loca and the phone number is not enabled. When using split or dual reporting, phone #1 always take priority over phone #2. A "14" indic the end of the phone number. EXAMPLE: Phone number 02-7244211 with touch tone dialing would be entered as [1][5][*][#] [0][* [2)[*][#] [7][*][#] [2][*][#] (4][*][#] [4][*][#J [2][*][#] [1][*][#] [1][*][#] [14][*][#]. The "15" selects touch tone dialing, and "14" end the phone number.

Location 096-100: Programming The Account Code For Phone #1 (Or Partition One)

The account code sent when phone #1 is dialed is programmed in locations 096-100.. If the account code is three digits long, use locations 096 097, 098, and program a "0" in locations 099 and 100. If the account code is four digits long, program a "0" in location 100. If a zero "0" is part of an account code, it should be programmed as a "10". Program a "0" to indicate the end of the account code. To make this account code the account code for "Partition One", see location 132. EXAMPLE: Account number of 2090 would be entered as [2][*][#j [10][*][#] [9][*][#] [10][*][#] [0][*][#] (starting at location 96). Account code of 209 for low speed

Location 101: Communicator Format For Phone #1

Location 101 contains the communicator format used to transmit to the receiver connected to the phone #1. Consult the instructions fo your central station receiver to determine which format is compatible. Select a format from the 14 listed on page 10. If you require format other than those listed, review the override options described in locations 610-615, to build the appropriate format. A "15" must be programmed in location 101 in addition to the entries into locations 610-615 in order to create a special format. If this location contains a "0", the built-in communicator will be disabled, and the DL-300E will function as a local only control.

Location 102-117: Programming Phone #2

Locations 102-117 contain phone #2. This number allows certain communicator reports to go to another number (split reporting), or to cause the communicator to dial a second number if the primary number does not respond after the number of attempts programmed into location 133 have been tried unsuccessfully, or for dual reporting. The same number of attempts are made with the back-up number. Tone dialing and delay instructions are the same as for the primary number. A "14" indicates the end of the phone number.

Location 118-122: Programming The Account Code For Phone #2 (Or Partition Two)

Locations 118-122 contain the account code for phone #2. If the account code is three digits long, use locations 118, 119, and 120. If a zero "0" is part of the account code it must be programmed as a "10". Program a "0" to indicate the end of the account code. If these locations contain a "0", the account code in locations 96-100 will be reported. To make this account code the account code for "Partition Two", see location 132.

Location 123: Communicator Format For Phone #2

Location 123 contains the communicator format used to transmit to the receiver connected to phone #2. Consult the instructions for your central station receiver to determine which format is compatible. Select a format from the chart below. If you require a format other than those listed, review the override options described in locations 610-615 to build the appropriate format. A "15" must be programmed in location 123 in addition to the entries into locations 610-615 in order to create a special format. If this location contains a "0", the format programmed into location 101 will be selected.

DATA	FORMAT	DESCRIPTION
0	LOCAL ONLY	COMMUNICATOR IS DISABLED
1	ADEMCO CONTACT ID	DTMF FORMAT
2	ADEMCO 4/2 EXPRESS	DTMF FORMAT
3	PAGER FORMAT	REPORTS IN 4 + 3 FORMAT AND/OR DOMESTIC DIALLING
4	ADEMCO HIGH SPEED	DTMF FORMAT
5	RADIONICS EXTENDED SLOW	1800Hz TRANSMITTAL 230OHz HANDSHAKE 20 PPS HEX EXT DOUBLE ROUND
6	CADDX MODEM	PROPRIETARY
7	RADIONICS EXTENDED FAST	1800Hz TRANSMITTAL 230OHz HANDSHAKE 40 PPS HEX EXT DOUBLE ROUND
8	RADIONICS EXTENDED FAST	1800Hz TRANSMITTAL 1400Hz HANDSHAKE 40 PPS HEX EXT DOUBLE ROUND
9	RADIONICS EXT FAST W/PARITY	1800Hz TRANSMITTAL 230OHz HANDSHAKE 40 PPS HEX EXTENDED
10	NOT USED	
11	ADEMCO/SILENT KNIGHT SLOW	190OHz TRANSMITTAL 140OHz HANDSHAKE 10 PPS DOUBLE ROUND PARITY
12	SILENT KNIGHT 4+2 FAST	190OHz TRANSMITTAL 1400Hz HANDSHAKE 20 PPS DOUBLE ROUND PARITY
13	SESCOA/FRANKLIN FAST	1800Hz TRANSMITTAL 230OHz HANDSHAKE 20 PPS HEX DOUBLE ROUND
14	SIA	FSK FORMAT
15	CUSTOM FORMAT	SELECT YOUR OWN FORMAT FOR NON STANDARD BASE STATIONS. I REFER TO APPENDIX (3).

Location 124-127: Account Code Three For Partition #3

Locations 124-127 are utilized to assign an account code for partition #3 if a unique code is desired. If these locations contain "0", the account code listed in locations 96-100 will be used. If a 3 digit code is used, program a "0" in location 127. If location 132 contains a "0", this account code is disabled.

Location 128-131: Account Code Four For Partition #4

Locations 128-131 are utilized to assign an account code for partition #4 if a unique code is desired. If these locations contain a "0", the account code listed in locations 96-100 will be used. If a 3 digit code is used, program a "0" in location 131. If location 132 contains a "0", this account code is disabled.

Location 132: Communicator Dialling Sequence Options

The number programmed into this location determines the sequence and method the communicator will utilise when reporting an event code. Use the table below to build the appropriate number. Add the number(s) associated with the desired features and program the sum in this location. Factory default is "3 programming the characteristics for data 1 and data 2 (1 + 2 = "3")

DATA	DESCRIPTION
"1"	Alternates between phone number #1 and phone number #2 in increments of two (2)calls to each, until the selected number of dial attempts has been made to each number.
"2"	The communicator attempts the number of dial attempts programmed into the number of dial attempts location to phone number #1 and if unsuccessful, it will delay 5 minutes and attempt the same number of dial attempts programmed into number of dial attempts to phone number #2.
"4"	Force the communicator to tie the account code to the phone number. If this feature is not selected the account code will correspond to the partition. Select for split or dual reporting.
"8"	The communicator attempts the number of dial attempts programmed into the number of dial attempts location to phone number #1 and if unsuccessful, tries the same number of dial attempts programmed into number of dial attempts to phone number #2.
"0"	If a "0" is entered, the account code corresponds to the partition.

SPLIT REPORTING: Split reporting is when one group of zone or system events report to a selected destination via the primary phone number, primary account code and primary format. A second group of zone or system events report to a separate destination via the second phone number, the second account code and the second format.

DUAL REPORTING:
Dual reporting is when all zone or system events report to a selected destination via the primary phone number, primary account code and primary format. The same events report to a separate destination via the second phone number, the second account code and the second format.

NOTE: For most installations, default data "3" is required. Program a "4" for split or dual reporting.

Location 133: Entering The Number Of Dial Attempts

Location 133 is used to enter the number of dial attempts (1 to 15 Attempts) the communicator will try for the appropriate phone number(s) before ending the notification process. Factory default is "6" and the communicator will make 6 attempts to the first number, and then 6 attempts to the second number, if a second number is programmed. If the factory default is modified in location 132, the first and second numbers will be called at a minimum the number times listed in this location, however this number might double and the sequence might change according to the number programmed.

Location 134: Programming The Entry Delay Time

Location 134 contains the number of 10 second increments in the entry delay. The entry delay can be programmed in 10 second increments from 10 to 150 seconds ("1" = 10 seconds through "15"= 150 seconds). For example, programming a "2" in this location will produce an entry delay of 20 seconds. (Note: A "0" entry is treated as 0 seconds). Programming a "6" in this location will produce an entry delay of 60 seconds. Factory default is 30 seconds.

Location 135: Programming The Exit Delay Time

Location 135 contains the number of 10 second increments in the exit delay. The exit delay can be programmed in 10 second increments from 10 to 150 seconds ("1" = 10 seconds through "15"= 150 seconds). For example, programming a "2" in this location will produce an exit delay of 20 seconds. (Note: A "0" entry is treated as 0 seconds). Programming a "6" in this location will produce an exit delay of 60 seconds. Factory default is 60 seconds.

Location 136: Programming The Secondary Entry Delay (Zone Type 7)

Location 136 contains the number of 10 second increments in the entry delay, when an entry delay is initiated by a zone type 7. This entry delay can be programmed in 10 second increments for 10 to 150 seconds ("1" = 10 seconds through "15" = 150 seconds. (Note: A "0" entry is treated as zero (0) seconds). Programming a "6" in this location will produce an entry delay of 60 seconds. (Note: a "0" entry is treated as zero (0) seconds). Programming a "6" in this location will produce an entry delay of 60 seconds. Factory default is 30 seconds.

Location 137: Programming The Secondary Exit Delay (Zone Type 7)

Location 137 contains the number of 10 second increments after arming, before zone trips will be recognized on a zone type 7. The exit delay can be programmed in 10 second increments from 10 to 150 seconds ("1" = 10 seconds through "15" = 150 seconds). For example, programming a "2" in this location will produce an exit delay of 20 seconds. (Note: A "0" entry is treated as zero (0) seconds). Programming a "6" in this location will produce an exit delay of 60 seconds. If the exit delay time in this location is less than, *Or* equal to that in location 135, zone type 7 will be delayed the amount of time programmed in location 135. (Note: A "0" entry is treated a zero (0) seconds). Programming a "6" in this location will produce an exit delay of 60 seconds. If the exit delay time in this location is less than, or equal to that in location 135, zone type 7 will be delayed the amount of time programmed in location 135. Factory default is 60 seconds.

Location 138: Programming The Siren Shutdown/Recycle Timeout

Location 138 contains the number of 2 minute increments in the automatic cutoff time. The automatic cutoff time can be programmed in 2 minute increments from 2 to 30 minutes ("1" = 2 minutes through "15" = 30 minutes). For example, programming a "2" in this location will produce an automatic cutoff time of 4 minutes. (Note: A "0" entry is treated as the factory default of 8 minutes.) Programming a "5" in this location will produce an automatic cutoff time of 10 minutes. NOTE: Please check your state regulations for the maximum siren time allowed by law. e.g. N.S.W. EPA law currently allows 10 minutes maximum.

Location 139-154: Programming The Zone Types For Zones 1-16

Locations 139 through 154 contain a number identifying the characteristics of zones 1 through 16. Location 139 corresponds to zone 1 and location 154 corresponds to zone 16. These zones have beeen factory defaulted to the zonetype shown in the below chart. Other zone characteristics can be found in the table on the following page.

ZONE #	DEFAULT CHARACTERISTICS
1	"3" = ENTRY/EXIT DELAY Zone
2	"5" = HANDOVER Zone
3-16	"6" = INSTANT

DATA	AVAILABLE ZONE TYPES
"1"	**DAY ZONE** - When armed, a trip produces an instant alarm. When disarmed, a trip activates the code pad sounder.
"2"	**24 HOUR** - A trip on a 24 Hour zone produces an instant alarm when armed or disarmed.
"3"	**ENTRY/EXIT** - A trip will start entry delay. The lack of a trip during exit delay will enable the ***Automatic Isolate*** mode if so programmed.
"4"	**INTERIOR DELAY** - A trip on Interior Delay zone will initiate an entry delay. It will be ignored during exit delay and when disarmed.
"5"	**HANDOVER** -Interior zone that follows the delay zones. It is instant during non-delay times. Interior follower zones can be manually isolated before arming.
"6"	**INSTANT** - Produces an instant alarm if tripped when armed. Ignored when disarmed.
"7"	**SECONDARY DELAY** - Like an EM /Exit zone but has its own independent delay time.
"8"	**FIRE** - A short on a FIRE zone will communicate to the central station when the DL-300E is armed or disarmed. An open will create a ***Trouble*** condition. Code pad LED will be steady for FIRE,and flashing for ***Trouble***.
"9"	**KEY SWITCH** - A zone attached to a momentary key switch will cause the DL-300E to am or disarm when the zone is momentarily shorted froma sealed condition I.E. a 3.3K resister must be used to seal the zone for the feature to work. NOTE: Check the corresponding "Special Characteristics" for the selected Zone, If the zone programmed to operate as a key switch type also has Partial Arm selected, I.E. a "4" in "Special Characteristics" then the key switch will then arm/disarm Partial Mode.

Location 155-170: Assigning Special Characteristics For Zones 1-16

Locations 155 through 170 are used to assign zone characteristics for zones 1 through 16. Location 155 is for zone 1 and location 170 for zone 16. Each zone can have any or all of the following characteristics regardless of the zone type selected in locations 139-15 excluding Fire zones, which cannot have **Isolate capability** enabled. Factory default is "12 for each of these locations, meaning th Zone Isolate Capability & Partial Mode is enabled, and the other characteristics are not enabled. To include other characteristics, add th value, and program the sum in the appropriate location. See the table below for zone characteristics and their corresponding values.

VALUE	CHARACTERISTIC
1	Fast Loop Response
2	Group Isolate Zone
4	Partial Mode Zone
8	Zone Isolate Capability

PARTIAL MODE NOTES

* Zones containing a “4” will be monitored in the Partial Mode.
* Zones not containing a “4” will be automatically isolated in the Partial Mode.

Example 1- To add Group Isolate Zone (Value=2) to Zone Isolate Capability (Value=8) for zone 10 (location 164), add the value of the two characteristics (2 + 8 = 10'), and program the sum of '10' in location 164.

Example 2- To enable *ALL* characteristics for zone 10, add the value of all characteristics (1 + 2 + 4 + 8 ='15'), and program the sum of '15' in location 164 (zone 10 characteristics location).

Example 3- To disable all characteristics and create a Non Isolatable Zone, program a'0' in the appropriate location

Location 171-186: Assigning Audible Characteristics For Zones 1-16.

Locations 171-186 are used to assign the audible characteristics of each zone 1 through 16. Location 171 is for zone 1 and location 186 is for zone 16. Each zone can be Silent (Value = ll), or have one, or a combination of the following audible characteristics. To determine the appropriate data for these locations, refer to the chart below and add the sum of the corresponding values to arrive at the correct data for these locations. For all zones except zone 2, factory default is "1". This means that all 16 zones will create a yelp siren output when an alarm is created. To select the audible characteristics for any zone, add the values of the audible characteristics from the table below, and program the sum in the appropriate locations 171186. If you wish for the zone to be **Silent,** program a "0" in the appropriate location. NOTE: If a Fire zone type is selected in locations 139-154, standard fire zone characteristics will override any selection made for a zone in this section.

VALUE	AUDIBLE CHARACTERISTICS
1	Yelp Siren Audible
2	Steady Siren Audible
4	Code pad Sounder Audible
8	Chime Feature
0	Silent Zone

Location 187-202: Special Communicator Reporting Characteristics For Zones 1-16

Locations 187-202 are used to assign communicator characteristics to individual zones 1 through 16. Location 187 is for zone-. 1 and location 202 is for zone 16. Each zone can have one or a combination of these characteristics. Factory default for all zones is "11" (1 + 2 + 8 ="11 "). This means that each zone has *Restore Reporting (Value=1), Isolate Reporting (Value=2),* and *Report Canceling (Value=8)* enabled. It should be noted that these locations are used to enable individual zone report capability by zone. A reporting code must be programmed in the appropriate location to enable overall reporting capability of *Restore* reports (location 364), *Isolate* reports (Location 368), *Trouble/24 Hour Tamper* reports (location 372), and *Cancel* reports (location 354).

VALUE	REPORTING CHARACTERISTICS
1	Restore Reporting
2	Isolate Reporting
4	Trouble/24 Hour Tamer Reporting
8	Report Canceling

Location 203: Programming The Communicator To Abort

Location 203 is used to enable the communicator *Abort.* A "1" in this location will cause the DL-300E to abort the report of a trip on any non-24 hour zone, if an arm/disarm code is entered during the delay of line seizure (see location 221). If this location contains a "0", the DL-300E will not abort any reports. NOTE! The DL-300E will not abort unless a delay time is programmed in location 221.

Location 204: Immediate Restore By Zone

If a "1" is programmed in location 204 restore signals will follow the restore condition and report restores immediately after the condition has restored. A non-extended format will not send a *Restore* message until all zones and *Trouble* conditions have restored. If this location contains a "0", the *Restore* signal(s) will be reported only after siren timeout. Factory default is "1" enabled.

Location 205: Auto Isolate

Location 205 is used to enable the *Auto Isolate* feature. If a "1" is programmed in this location, the DL-300E will allow the user to enter a valid code to arm when one or more zones are not secure. If these zones clear before the end of either exit delay, they will arm with the remainder of the zones when the exit delay time expires. All zones which are unsecured at the end of the exit delay will be automatically isolated. If isolate reporting has been enabled in location 368, all automatically isolated zones will be reported to the monitoring station.

Location 206: Programming For Silent Code pad Panic

Location 206 is used to silence the audible output for the *Code pad Panic/Hold-Up* alarm. Programming a "1" in this location will enable the *Silent* mode of **Code pad Panic operation.** Factory default is "0" and operation of the *Code pad Panic* (double keypress [*] & [#]) will cause the yelp siren output to activate.

Location 207: Reserved

Location 208: Isolated Zone Code pad Sounder Alert

If a "1" is programmed in location 208, the code pad sounder will create a pulsed output if a valid code is utilized to arm the DL300E when one or more zones are isolated. The code must be re-entered to silence the code pad buzzer. Factory default is "1" and code pad sounder will sound when arming occurs with a zone isolated.

Location 209: AC Power Off Code pad Sounder Alert

If a "1" is programmed in location 209, the code pad buzzer will create a pulsed output if a valid code is used to arm the DL300E with the AC power removed. The code must be re-entered to silence the code pad sounder. If a "0" is programmed in this location, the control can be armed with the AC power removed with no code pad sounder output. Factory default is "1" and the code pad sounder will sound if the control is armed with no AC power.

Location 210: Siren/Bell Test Feature

Programming a "1" in location 210 will cause the siren/bell to sound each time the [1] and [7] keys are pressed simultaneously. The siren/bell can be silenced with an arm/disarm code. The siren/bell test does not cause the communicator to transmit a message. Factory default is "0" and this feature is not enabled.

Location 211: Partial Mode Security Feature

If a 1" is programmed in location 211, a valid user code must be entered to disarm the control from **the Partial Mode.** Factory default is "0" and the **Partial** *Mode* can be disarmed with the one digit code programmed in location 245.

Location 212: Ring back Feature

Programming a "1" in location 212 will enable the Ring back feature of the DL-300E. When enabled, the control will create a two second audible output (siren or bell) after the kiss-off tone from a closing signal has been received. Factory default is "0" 'and this feature is not enabled.

Location 213: Multiple Partition First To Open, Last To Close Report

If a "1" is programmed in location 213 an opening report will be sent only after the first partition has been opened, and a closing report will only be sent after all partitions have closed. All partitions must have enabled the opening and closing communicator codes in the appropriate locations for this feature to work properly. Factory default is "0" and partitions will report opening and closings individually according to the programming instructions entered for each partition.

Location 214: Resettable Auxiliary Power

Programming a "1" in location 214 will cause the DL-300E (when in the disarmed state) to interrupt the smoke detector power each time the [#] button is pressed. If this location contains a "0", pressing the [#] button will cause the smoke detector power to reset only after zone(s) designated as Priority (FIRE) zone types are on steady for alarm or blinking for **Trouble.** Factory default is "1" and this feature is enabled.

Location 215: Siren Output Limit

If a "1" is programmed in location 215, the siren output will only activate once per zone during each arming cycle. Factory default is "1" and this feature is enabled.

Location 216: Communicator Report Limit

If a "1 " is programmed in location 216, the communicator will only report once per zone during each arming cycle. Factory default is and this feature is not enabled.

Location 217: Partition Siren Inhibit /Contact I.D Group Digit Reporting

Factory default is "0" this feature is disabled, meaning a valid code entered from a Code Pad in any partition will silence the siren regardless of what partition caused the alarm. If a "1 " is programmed, only the Code Pad set for the partition which the alarm was activated or an LCD code pad set for master mode can silence the siren. Programming a "2" in this location will cause the DL300E to report the partition group information when reporting in Contact I.D. (When using the Contact ID group information, only one account code is required to be programmed for the individual reportion of partition information). A "3" will enable partition siren inhibit and partition group information to be reported.

Location 218: Reserved (This location must contain a "1 ")

Location 219: Enabling The Swinger Shutdown

Location 219 is used to enable the burglary zone swinger shutdown. The number programmed in this location will determine the number of trips the DL-300E will allow before isolating all burglary zones (1-16) which have tripped during an arming cycle.
The isolated zones will not report trips to a central station, and the local siren or bell will not sound for these zones. A zone trip will not be added to the number count until after the zone has tripped more than once. If this location contains a "0", this feature is disabled. A zone which has been isolated by this feature will be reported if **Isolate Reporting** is enabled in location 368.

Location 220:(This location must contain a "0")

Location 221: Delay Of Phone Line Seizure For Abort

Location 221 contains the number of 2 second increments the phone line seizure and communicator output will be delayed prior to initiation of an event report for an abortive event. If a "1" is programmed in this location the delay will be 2 seconds. If a 15 is programmed in this location the delay will be 30 seconds. Factory default is "0" and there is no delay before the initiation of an event report. NOTE: Only non-24 hour zones will delay.

Location 222: Programming The Quick Arm Digit

The DL-300E can be programmed to **Quick Arm** with one digit by programming a digit (1-9) in location 222. This number cannot be the first digit of the programming code or of the *Chime* enable code. Factory default is "0" which disables this feature.

Location 223: Partial Mode Entry Delay Time

Location 223 contains the number the of 10 second increments in the **Partial** *Mode* entry delay time. The delay time can be programmed in 10 second increments from 10 to 150 seconds. ("1" = 10 seconds through "15" = 150 seconds). For example, programming a 4 in this location will create a delay time of 40 seconds. Factory default is "2" (20 seconds). A "0" equals zero seconds, or instant.

Location 224-239: Programming the Auxiliary Output Options

Locations 224 through 239 control the output options for the four auxiliary outputs. Each of the four pins has four individual programming locations that will be referred to in this section as *DATA 1*, *DATA 2*, *DATA 3*, and *DATA* 4. There are 256 events or conditions that can be programmed to activate these four auxiliary outputs. The following descriptions of these data locations will help you to understand how to program each of these locations.

DATA 1 (Source) - The number programmed in the *Data 1* location is used to direct the control as to which partitions) will be the source to initiate the trigger output on each of the four auxiliary outputs. When partitioning is not being used, program a "0" in this location (factory default = "0"). When partitions are being used, programming selections are as follows: "0" for all Partitions, "1" for Partition ONE, "2" for Partition TWO, "3" for Partition THREE, and "4" for Partition FOUR. Programming selections for this location are "0" thru "4".

DATA 2 (Duration) - The number programmed in the *Data 2* location represents the amount of time that a trigger output will remain activated. This duration time is selectable in 2 second increments, from 2 to 28 seconds. For example, programming a "5" in the data 2 location will create a voltage trigger that would last for 10 seconds (2 x "5" = 10 seconds). Programming a "0" will cause the output to follow the condition. Programming a "15" will latch the trigger output. Programming selections for this location are the numbers "0" thru "15". NOTE: If you want to change the increments from seconds to minutes, follow the programming instructions for location 241 to do so, and the duration time will be selectable from 2 to 28 minutes.

DATA 3 (Category)- The number programmed in the *Data* 3 location will determine the category from which you will select an activation event. Refer to the following table below to select which category number to program in this location. Programming selections for this location are "0" thru "15".

DATA 4 (Event)- The number programmed in the *Data* 4 location will determine the actual event in which you Wish to have the trigger activate upon. Refer to the table below to select which event number to program in this location. Programming selections for this location are "0" thru "15"

Example 1 - For Pin #1 to follow the "SECURE" LED for Partition Two, you would enter the following:

In location 224, program a "2" for Partition Two.

In location 225, program a "0" to Follow The Condition,

In location 226, program a "13" for the Category.

In location 227, program an "11" (Secure LED) for the Event.

DESCRIPTION OF EVENT	DATA 3 CATEGORY	DATA 4 EVENT
"OPEN" on individual zone 1 thru 16	"0'	"0-15'
"OPEN" on individual zones 17 thru 32	"1'	"0-15'
"SHORT"on individual zones 1 thru 16	"2'	"0-15'
"SHORT" on individual zones 17 thru 32	"3'	"0-15"
"OPEN or SHORT"on individual zones 1 thru 16	"4'	"0-15"
"OPEN or SHORT"on individual zones 17 thru 32	"5'	"0-15'
"ISOLATE" of individual zones 1 thru 16	"6'	"0-15"
"ISOLATE" of individual zones 17 thru 32	7'	"0-15"
"TROUBLE" of individual zones 1 thru 16	"8.	'D-15'
"TROUBLE" of individual zones 17 thru 32	"9'	"0-15'
"ALARM" of individual zones 1 thru 16	"10'	"0-15"
"ALARM" of individual zones 17 thru 32	"11'	"0-15'
Any "FIRE ALARM"	"12'	"0'
Any "PANIC ALARM"		"1'
Any "BURGLARY ALARM"		"2`
Any'TROUBLE CONDITION"		"3'
Any "ISOLATE REPORT"		"4'
Any "EARLY TO OPEN"		"5'
Any "LATE TO CLOSE"		"6'
"AC FAILURE REPORT"		"7'
"DURESS"		"8'
"AUXILIARY 1- [1] & [3] Double Keypress		"9'
"AUXILIARY 2' [4 & [6] Double Keypress		"10'
"Code pad PANIC" [*] & [#] Double Keypress		"11'
"Code pad TAMPER"		"12-
"AUTO TEST"		'13'
"CHECK SUM"		"14'
"CANCEL"		"15'
Activation of "PRIORITY (FIRE) SIREN"	"13"	.0'
Activation of "BURGLARY SIREN"		"1'
"ANY SIREN"		"2°

Example 2 - To select "Code pad PANIC" [*] & [#], your CATEGORY selection (Data 3) will be "12", and your EVENT selection (Data 4) will be "11 ".

DESCRIPTION OF EVENT	***DATA 3 CATEGORY***	***DATA 4 EVENT***
"ARMED WITH ISOLATED Zone(s)	"13'	"3'
"ALARM MEMORY'		"4'
"LOW BATTERY'		“5’
"ENTRY DELAY TIME"		“6’
'EAT DELAY TIME'		“7'
"ENTRY AND EXIT DELAY TIME"		“8’
"PARTIAL LED" illumination		“9'
'ARMED LED" illumination		"10'
'READY LED' illumination		"11'
'AC LED" illumination		"12'
'Code pee SOUNDER" activation		"13'
"FIRE LED' illumination		"14'
'FIRE TROUBLE LED' illumination		"15'
'ANY VALID CODE ENTRY"	"14'	‘0’
'VAUD CODE ENTRIES 1 THRU 15'		'1-15'
-DOUBLE KEYPRESS [1] & [3]”	"15'	“0’
-DOUBLE KEYPRESS [4] & [6]”		"1'
-DOUBLE KEYPRESS [7] & [9]”		"2'
-DOUBLE KEYPRESS [*] *&* [#]"		“3’
"RESETTABLE AUXILUARY/SMOKE DETECTOR POWER'		"4'
"DYNAMIC BATTERY TEST		"5'
"LINE SEIZURE"		“6’
'OPEN ON ANY Zone"		“7’
"SHORT ON ANY Zone"		“8’
"OPEN OR SHORT ON ANY Zone"		“9’
"GROUND START"		"10'
"TIME OF OPENING'		"11'
'DOWNLOAD COMPLETE'		'12'
"FAILED T000MMUNICATE"		"13'
"PHONE LINE TROUBLE'		'14'
"RESERVED'		"15'

Example 3 - To select “READY LED”, your CATEGORY selection (Data 3) will be “13”, and your EVENT selection (Data 4) will be “11”.

Location 240: Inverting Auxiliary Outputs And Setting Onboard Form C And Form A Relay Operation. (Form C Relay Tied To Pin #3 And Form A Relay Tied To Pin #4)

The auxiliary outputs of the DL-300E are normally POSITIVE (+) going NEGATIVE (-). They can be changed to a normally NEGATIVE (-)going POSITIVE (+) by programming the appropriate number in this location. Auxiliary output 1 has a value of "1 ", Auxiliary output 2 has a value of "2", Auxiliary output 3 has a value of "4", and Auxiliary output 4 has a value of "8". The values for the outputs that you wish to change to NEGATIVE going POSITIVE must be added together and the total programmed in this location. For example, if you wished to make outputs 2 (=2) and 3 (=4) NEGATIVE going POSITIVE, you would program "6" (2+4=6) in this location. The output for pin 3 is automatically tied to the onboard form C relay (Terminal locations 10, 11, & 12), and pin 4 is tied to the form A relay (Terminal locations 7 & 8). You should take this into consideration when planning auxiliary output operation. If you need a relay output on pins 1 or 2 you must add a relay that can be tripped with the voltage and current available at these pins. Making outputs 3 and 4 normally negative going positive, will have the effect of making the relay attached to that pin normally pulled in, and drop out when the output is activated. NOTE: THE PINS ARE CURRENT LIMITED TO 250 MICRO AMPS POSITIVE AND 20 mA NEGATIVE.

Location 241: Changing Timing Increments From Seconds To Minutes For Auxiliary Outputs

The number programmed into this location will determine if the 4 auxiliary pins described in the above locations will create 2 to 28 second, or 2 to 28 minute voltage trigger outputs. If this location contains a "0" (factory default ="0"), the output duration time is computed in seconds. By adding the value that corresponds to each pin number in the table below, and programming the sum in this location, the "second" increments.will convert to "minute" increments for the pin(s) selected:

VALUE	NUMBERS
1	Pin #1
2	Pin #2
4	Pin #3
8	Pin #4

Example 1 - To change duration time from seconds to minuets Pin 1, program a "1" in this location.

Example 2 - To change duration time from seconds to minutes for Pins 1 & 3, program a "5" (1 + 4 = "5"),

Example 3 -To change duration time from seconds to minutes for Pins 2 & 4, program a "10" (2 + 8 = "10")

Location 242: Answering Machine Defeat

Location 242 contains the answering machine defeat enable. To defeat an answering machine, two telephone calls must be made to the premises. On the first call, let the phone ring the same number of times (or less) as the number programmed in location 242 (maximum 3). The control panel will detect these rings and start a 45 second timer. If a call comes in during that 45 second time frame, the control panel will answer on the first ring. To disable this feature, program a "0" in this location.

Location 243: Number Of Rings To Answer Download Call

Location 243 contains the number of rings the DL-300E must detect before answering the telephone when initiating a download. If a number from "1" to "15" is programmed in this location, the control will answer after the number of rings entered times 2 has been detected. If a "0" is programmed, the DL-300E will not answer the download call. (SEE LOCATION 242: ANSWERING MACHINE DEFEAT)

Location 244: Assigning The Chime Enable Code

Program the one digit number that the end user will use to enable the *Chime* mode. This number can be any number 0 to 9. Factory default is "1 " and this feature is enabled. If you do not wish to enable the *Chime* feature at this installation, program a "15" in this location. NOTE! This number should not be the same as the **Quick Arm** code.

Location 245: Assigning The Partial Mode Enable Code

Program the one digit number that the end user will use to activate the **Partial** *Mode.* This number can be any number 1 to 9. Factory default is "0" and this feature is enabled. If you do not wish to enable the **Partial Mode** feature at this installation, program a "15" in this location. NOTE! The first digit of this code should not match the Quick-Arm digit, or the first digit of the **Chime** enable code. Location 220 must contain a "0" for **Partial** *Mode* to work.

PROGRAMMING FOR PARTITIONS

Locations 247 through 249 are used to program the number of zones in partitions 1, 2, and 3, with the remaining zones automatically assigned to the next numerical partition, which would be 4 if all three location are programmed. If only the first location 247 has a number programmed in it, all remaining zones will automatically go to partition 2. You can program any number of zones per partition up to a maximum of 15. All zones must be in numerical sequence. For example, if you choose to have five zones in partition 1 and 11 zones in partition 2, you would program a 5 in location 247 and zones 1-5 would be assigned to partition 1, while zones 6 through 16 would be assigned to partition 2. You cannot assign zones out of sequence such as placing zones 1-3-5-7-9 in partition 1 and 2-4-6-8 in partition two. Factory default is no partitions enabled and all zones are assigned to partition 1 (the control) without restriction. Note: When partitions are assigned in these locations, you may need to program locations 64-79, 124-131, 132, 213, 217, 224, 228, 232, 236, 246, and 572-586 which are sensitive to partitioning.

Location 246: Common Area Enable

If a "1" is programmed in location 246, Partition 1 will become a ***Common Area*** for all selected partitions. When enabled, Partition 1 will automatically disarm when any other partition is disarmed, and will automatically arm when all partitions have been armed. Care should be taken to allow sufficient entry delay time for Partition 1 to allow the user to reach his designated partition code pad and enter a code. Exit delay time is the combination of the delay for the last partition to arm and the delay entered for Partition 1. Factory default is "0" and this feature is disabled. NOTE: Partition one (1) becomes the Common Area when enabled. In the factory default, the Common Area will not send open/closing reports. To enable open/closing reports for the Common Area, program a "3" in this location.

Location 247: Number Of Zones In Partition 1

Factory default is "0", and the control is not partitioned. Thus all 16 (32 if expander is utilized) are assigned to the one group. NOTE: When no partitions are enabled, all features or characteristics associated with partitions are contained within one group.

Location 248: Number Of Zones In Partition 2

Factory default is "0", and Partition 2 is not enabled.

Location 249: Number Of Zones In Partition 3

Factory default is "0", and Partitions 3 and 4 are not enabled.

Location 250: Power Up Condition

If a "1" is programmed in location 250 , the DL-300E will power-up disarmed if there is a total power shutdown and battery failure. If a "2" is programmed in this location, it will power up armed. If this location contains a "0", the DL-300E will maintain the condition it was in at power down. A watchdog circuit reset will cause the DL-300E to reset to the selected condition. Factory default is "0" and the control will maintain the condition it was in at power down.

Location 251: Power Up Delay

The number programmed in location 251 represents the number of 10 second increments the DL-300E will delay before accepting open or short inputs from any zone. Factory default is "0" and this feature is disabled. If a 6 is selected, the delay will be 60 seconds. This delay period would also be initiated after a watchdog circuit reset condition or when exiting from the program mode.

Location 252: Telephone Line Monitor

Location 252 determines the action the DL-300E will take when a phone line fault is detected. The options available are listed in the table below. Program one or any combinations of these characteristics in location 252. Factory default is "0" and the Phone line monitor is disabled. If **Enable silent (Value - 1),** is programmed then no code pad sounders or sirens are activated but the auxiliary output option Category 15 and event 14 may be used. If **Enable sirens (Value** - 3) is programmed, then the system siren will activate for the set siren time on a telephone line trouble condition. **Note:** A siren can only be activated once per telephone line trouble condition, the telephone line trouble condition must restore be for the siren can reactivate for a new telephone line trouble condition. If **Enable sirens (Value - 5)** is programmed, then the system code pad sounder will activate until a valid code is entered, on a telephone line trouble condition. If **Enable sirens (Value = 8)** is programmed, this siren will only activate when there is an Armed partition(s). In the event of a Phone line fault the **"Ready LED"** on the led code pad will flash to indicate Phone line fault. The LCD code pad will display "PHONE TROUBLE".

VALUE	TELEPHONE LINE MONITOR
0	DISABLED
1	ENABLES SILENT
3	ENABLES SIREN (timed)
5	ENABLES CODE PAD SOUNDER (latch)
7	ENABLES CODE PAD SOUNDER & SIREN
8	ACTIVATE SIRES ONLY WHEN SYSTEM ARMED

Location 253: Telephone Line Monitor Delay

Location 253 contains the number of 10 second increments in the Telephone line monitor delay before phone line fault is activated. The Telephone line monitor delay is used to overcome unnecessary telephone line faults caused by the momentary removal of the DL-300E phone line socket. The Telephone line monitor delay can be programmed in 10 second increments from 0 to 150 seconds ("0" = 0 seconds through "15" = 150 seconds). For example, programming a "2" in this location will produce a Telephone line monitor delay of 20 seconds. Programming a "6" in this location will produce a Telephone line monitor delay of 60 seconds. The phone line fault condition will not restore until the phone line is restored for the same period of time as programmed in this location. Factory default is "1" for 10 seconds delay.

Location 254: Dynamic Battery Test Time

The number programmed in location 254 determines when the control will perform a dynamic battery test. This time is programmable in two hour increments from 12:00 AM to 10:00 PM. Possible values for this location are "0" thru "11 ". Factory default is "3" (3 x 2 = 6) meaning the dynamic battery test will occur at 6:00 AM. Programming a "0" (0 x 2 = 0) in this location would set the test time for 00:00 (midnight). Programming a "11 " (11 x 2 = 22) in this location would set the test time for 22:00 (10:00 PM).

Location 255: Dynamic Battery Test Duration

The number programmed in location 255 will determine the number of minutes the DL-300E will go into the dynamic **battery** test mode during each 24 hour period. This test removes the A.C. power input and causes the control to function with the system battery, thus verifying that the battery is capable of performing as designed during an actual power failure. Factory default is "0" and this feature is not enabled.

COMMUNICATOR CODES

Each of the following communication codes contain four (4) locations referred to as Data 1, Data 2, Data 3 and Data 4. The first three locations are used for either enabling or disabling and or determining the reporting channel or event number for the selected communication code. Data 4 is used to determine which phone number(s) is used when Dual or Split reporting is enabled and or whether that communication event is recorded into the internal event log. Refer to the Data 1, 2, 3, and 4 listing below for more detail. ***Only Contact I.D is covered in this manual, for detail on other formats please refer to the nearest sales branch.***

DATA 1 - When *Contact* I.D is enabled, Data 1 is used to enable and or select the communicator code for the selected communicator event. Program in Data 1 the required digit from appendix 1 (options 1 thru 15) to select the required Contact I.D event report code. Not all communicator codes are programmable in this manner, and only require a "1" in Data 1 to enable the communicator event report. Refer to the individual communicator code location for further detail.

DATA 2 - When *Contact* I.D is enabled, Data 2 is used to program the 10's digit of the point number.

DATA 3 - When *Contact* I.D is enabled, Data 3 is used to program the 1's digit of the point number.

DATA 4 - Is used to select phone number (1 = "1 "), phone number (2 = "2") , and the (internal log = "4") or any combination of the three (3). When Dual or Split reporting is enabled in location 146 then the telephone number programmed in Data 4 for the selected communicator event is used to report that event. If Dual or Split reporting is not enabled then program Data 4 to follow telephone number 1 for normal communicator event reporting. I.E. Report via telephone number 1 and if unsuccessful try telephone number 2. If no Telephone is selected for a given communicator event that communicator event will not be reported. If (internal log = "4") is enabled then each time that communicator event is reported it is also recorded into the internal event log for future reference via a LCD Code pad in the smart buss mode or via the download software. *Note:* The event log can only record communicator events when those communicator event s are enabled to report. If the event log is required without communicator event reporting, enable the internal log by programming a "4" in Data 4, and enable the communicator event in Data 1.

Location 256-259: Programming the Communicator Code for Zone 1

Locations 256-259 are used to control the communicator code for zone 1. Zone 1 is automatically enabled and when contact 1.13 is selected the default report is event "130 - Burglary" with point "01" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:1:5" with telephone number 1 and the event log enabled.

Location 260-263: Programming the Communicator Code for Zone 2

Locations 260-263 are used to control the communicator code for zone 2. Zone 2 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "02" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:2:5" with telephone number 1 and the event log enabled.

Location 264-267: Programming the Communicator Code for Zone 3

Locations 264-267 are used to control the communicator code for zone 3. Zone 3 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "03" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:3:5" with telephone number 1 and the event log enabled.

Location 268-271: Programming the Communicator Code for Zone 4

Locations 268-271 are used to control the communicator code for zone 4. Zone 4 is automatically enabled and when contact ~"" I.D is selected the default report is event "130 - Burglary" with point "04" when in alarm. Refer to appendix 1 ff a different event type is required. The defaults are "3:0:4:5" with telephone number 1 and the event log enabled.

Location 272-275: Programming the Communicator Code for Zone 5

Locations 272-275 are used to control the communicator code for zone 5. Zone 5 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "05" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:5:5" with telephone number 1 and the event log enabled.

Location 276-279: Programming the Communicator Code for Zone 6

Locations 276-279 are used to control the communicator code for zone 6. Zone 6 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "06" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:6:5" with telephone number 1 and the event log enabled.

Location 280-283: Programming the Communicator Code for Zone 7

Locations 280-283 are used to control the communicator code for zone 7. Zone 7 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "07" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:7:5" with telephone number 1 and the event log enabled.

Location 284-287: Programming the Communicator Code for Zone 8

Locations 284-287 are used to control the communicator code for zone 8. Zone 8 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "08" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:8:5" with telephone number 1 and the event log enabled.

Location 288-291: Programming the Communicator Code for Zone 9

Locations 288-291 are used to control the communicator code for zone 9. Zone 9 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "09" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:0:9:5" with telephone number 1 and the event log enabled.

Location 292-295: Programming the Communicator Code for Zone 10

Locations 292-295 are used to control the communicator code for zone 10. Zone 10 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "10" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:0:5" with telephone number 1 and the event log enabled.

Location 296-299: Programming the Communicator Code for Zone 11

Locations 296-299 are used to control the communicator code for zone 11. Zone 11 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "11" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:1:5" with telephone number 1 and the event log enabled.

Location 300-303: Programming the Communicator Code for Zone 12

Locations 300-303 are used to control the communicator code for zone 12. Zone 12 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "12" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:2:5" with telephone number 1 and the event log enabled.

Location 304-307: Programming the Communicator Code for Zone 13

Locations 304-307 are used to control the communicator code for zone 13. Zone 13 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "13" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:3:5" with telephone number 1 and the event log enabled.

Location 308-311: Programming the Communicator Code for Zone 14

Locations 308-311 are used to control the communicator code for zone 14. Zone 14 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "14" when in alarm. Refer to appendix 1 ff a different event type is required. The defaults are "3:1:4:5"with telephone number 1 and the event log enabled.

Location 312-315: Programming the Communicator Code for Zone 15

Locations 312-315 are used to control the communicator code for zone 15. Zone 15 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "15" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:5:5" with telephone number 1 and the event log enabled.

Location 316-319: Programming the Communicator Code for Zone 16

Locations 316-319 are used to control the communicator code for zone 16. Zone 16 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "16" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:6:5" with telephone number 1 and the event log enabled.

Location 320-322: Communicator Code For Duress Code

The DL-300E has the ability to report a duress code when the system is armed or disarmed with user code number 15 and a duress communicator code is enabled in Data 1. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "10" in Data 1 to report event "121 - Duress". The Open/Close report will accompany the Duress report complete with the user number to indicate that an Open or Close was preformed under Duress. No restore code is reported for this event. If Data 1 is a "0", the duress capability is disabled and user code number 15 can only be used as a standard arm/disarm code. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

Location 324-326: Code Pad Auxiliary 1 ([1] & !31) Communicator Codes

The DL-300E has the ability to report an auxiliary 1 code and activate the priority (fire) siren each time the [1] and [3] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "1" in Data 1 to report event "110 -Fire". If activated, the siren can be silenced by entering any arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 1 double caprice is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

Location 328-330: Code Pad Auxiliary 2 ([41 & !61) Communicator Codes

The DL-300E has the ability to report an auxiliary 2 code and activate the pulsing buzzer each time the [4] and [6] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "11 " in Data 1 to report event "100 - Medical". If activated, the code pad sounder may be silenced by entering any valid arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Auxiliary 2 double caprice is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

Location 332-334: code Pad Panic ([*] & !#1) Communicator Codes

The DL-300E has the ability to report a Code Pad panic code and activate the burglary siren (if not selected silent) each time the [*] and [#] keys are pressed simultaneously on the Code Pad. The desired reporting code must be programmed into these locations. When contact I.D is selected, program Data 1 with the required event code from appendix 1 to enable this report event. Program a "2" in Data 1 to report event "120 - Code Pad Panic". If activated, the code pad sounder may be silenced by entering any valid arm/disarm code. No restore code is reported for this event. If Data 1 is "0", the Code pad panic double caprice is disabled. The defaults are "2:0:0:5" with Code pad panic communicator code, telephone number 1 and the event log enabled.

Location 336-338:code Pad Tamper Communicator Codes

The DL-300E has the ability to lock out the Code Pad for 1 minute if 30 or more key presses are made without producing a valid code. The desired communicator code must be programmed into these locations to enable this feature. When contact I.D is selected, program a "1" in Data 1 to report event "137 - Code Pad Tamper". No restore code is reported for this event. If Data 1 is "0", the Code Pad Tamper is disabled. The defaults are "1:0:0:5" with telephone number 1 and the event log enabled.

Location 340-342: Automatic Test Communicator Codes

The DL-300E has the ability to send autotest reports to the base station at weekly intervals or hourly intervals from 1 to 99 hours apart. The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 to report event "602 - Auto test". No restore code is reported for this event. If Data 1 is "0", Auto Test is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

Location344-347:Reserved

Location 348: Communicator Code To Report Openings

The DL-300E has the ability to report an opening code each time the control is disarmed. The desired opening code is programmed in this location. If this location contains "0", openings will not be reported. When using contact I.D, program a "1" in this location to enable reporting of system openings, the event code "401" will be reported. When using the Quick-Arm digit, the user number is 29. When using a keyswitch, the user number is 30.

Location 349: Opening Phone Selector

If a phone number other than phone #1 is desired, I.E. for dual or split reporting. A binary number must be programmed into this location. This is derived by adding a "1" for phone #1, a "2" for phone #2 and a "4" for the internal log. Factory default is "5" which causes open/closing to report on phone #1 and internal log if the communicator event is enabled.

Location 350: Communicator Code To Report Closings

The DL-300E has the ability to report a closing code each time the control is armed. The desired closing code is programmed in this location. If this location contains a "0", closings will not be reported. When using contact I.D, program a "1" in this location to enable reporting of system openings, the event code "401" will be reported. When using the **Quick Arm** digit, the user number is 29. When using a keyswitch, the user number is 30. The closing report will not be initiated until the end of the primary exit delay.

Location 351: Closing Phone Selector

If a phone number other than phone #1 is desired, I.E. for dual or split reporting. A binary number must be programmed into this location. This is derived by adding a "1 " for phone #1, a "2" for phone #2 and a "4" for the internal log. Factory default is "5" which causes open/closing to report on phone #1 and internal log if the communicator event is enabled.

Location 352: Communicator Code To Report Openings For Users 16-30 (4+2 Only)

This location will be programmed only when using a 4 + 2, or extended format. When using non-extended formats, users 16 thru 30 will be reported as 1 thru F.

Location 353: Communicator Code To Report Closings For Users 16-30 (4+2 Only)

This location will be programmed only when using a 4 + 2, or extended format. When using non-extended formats, users 16 thru 30 will be reported as 1 thru F.

Location 354: Communicator Code To Report Cancel

Location 354 contains the communicator code that will be sent for cancel. The cancel code programmed in this location will be sent if an arm/disarm code is entered after an alarm on zones 1 through 32 has been reported (excluding 24 hour zones). After a cancel has been reported, no zone restores will be transmitted on non-24 Hour zones. When contact I.D is selected, program a one (1) in this location to enable this report, the event code "406" will be reported, followed by an opening event with the user code number used. This feature can not be enable when Open/Close reporting is also enabled. If this location contains a "0", cancel is disabled.

Location 355: Communicator Code To Report Cancel For Users 16-30 (4+2 Only)

This location will be programmed only when using a 4 + 2, or extended format. When using non-extended formats, users 16 thru 30 will be reported as 1 thru F.

Location 356-359: Communicator Code For Reporting AC Power Loss

The DL-300E has the ability to report an AC power loss code to the base station after the power has been off for a selected number of minutes from 0 to 15 (see location 330). The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 will report event "301 - AC Power Fail". If Data 1 is "0", AC Power Fail is disabled. The defaults are "0:0:0:5" with telephone number 1 and the event log enabled.

Location 360-363: Communicator Code For Reporting Low Battery

The DL-300E has the ability to report a low battery code to the base station when AC power has been lost and the battery has discharged down to 10.3 Volts. Low battery will also report if the dynamic battery test fails. The desired communicator code must be programmed into these locations. When contact I.D is selected, program a "1" in Data 1 to report event "302 -Low Battery" or "309Fail Dynamic Battery Test". Note: A restore code will not be report for a "Dynamic battery fail.

Location 364: Zone Restore Communicator Code

Location 332 is used to program the Restore code for zones (1 thru 32), when Contact I.D is selected. Note: Zone Restore codes can only be reported if Zones are enabled to report Restores in the "Zone Report / Special Characteristics" locations per individual zone. Default for Zone restore code is "0" enabled.

Location 365: Restore Code For Zones 9 Thru 16 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected

Location 366: Restore Code For Zones 17 Thru 24 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected

Location 367: Restore Code For Zones 25 Thru 32 4+2 Only)

These locations should remain at factory default when Contact I.D is selected

Location 368: Zone Isolate Communicator Code

Location 334 is used to program reporting of the Isolate code for zones (1 thru 32), when Contact I.D is selected. Note: Zone Isolate codes can only be reported if Zones are enabled to report Isolates in the "Zone Report / Special Characteristics" locations per individual zone. When contact I.D is selected, program a one (1) in this location to enable this report, an event "570 - Zone Isolate" will be reported. Default for Zone Isolate code is "0" enabled.

Location 369: Zone Isolate Code For Zones 9 Thru 16 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected

Location 370: Zone Isolate Code For Zones 17 Thru 24 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected.

Location 371: Zone Isolate Code For Zones 25 Thru 32 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected,

Location 372: Zone Trouble Communicator Code

Location 336 is used to program reporting of the Trouble code for zones (1 thru 32), when Contact I.D is selected. The Trouble communicator code can be reported when a Trouble/24 Hour Tamper or Fire zone type is in sort circuit (Refer to special communicator reporting characteristics or the zone type table). When contact I.D is selected, program a one (1) in this location to enable this report, an event "380 - Zone Trouble" will be reported..

Location 373: Zone Trouble Code For Zones 9 Thru 16 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected.

Location 374: Zone Trouble Code For Zones 17 Thru 24 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected

Location 375: Zone Trouble Code For Zones 25 Thru 32 (4+2 Only)

These locations should remain at factory default when Contact I.D is selected.

Location 376- Programming For AC Power And Low Battery Restore Code

The DL-300E has the ability to report to the base station when the AC power and/or Low battery have been restored. Once the AC power has been restored to the DL-300E, there will be a delay time before the restore code will be sent to the base station. The time programmed into location 623 for AC loss delay will also be the restore delay. A low battery restor will be reported when the battery voltage is restored to normal operating level (above 10.3 volts). Program a "1" into this location to enable AC power and Low battery restore code.

Location 377: Programming Number Of Expansion Modules

Location 377 is programmed with the number of expansion devices that may be. connected to the DL-300E. A maximum of seven (7) expansion devices can be connected to the DL-300E, therefore, to connect 2 expansion device to the DL-300E a "2" must be programmed into this location. When expansion devises are used, the DL-300E will automatically switch to the Smart Buss mode. Note: expansion devices include; Wireless zone expander, 8 way relay board, 16 way aux board, X10 interface, Printer interface, Telephone control interface, and System event interface. Factory default is "0" no devices enabled. These locations must remain at factory default when no expansion systems are used.

Location 378: Communicator Code for Expansion Trouble

Location 378 is used to program reporting Trouble communicator code for expander devices (1 thru 7), when Contact I.D is selected. The Expander Trouble communicator code can be reported when an expansion device dose not respond to the DL300E after a short period of time. When contact I.D is selected, program a one (1) in this location to enable this report, an event "333 - Expander Trouble" will be reported. Default for Expander Trouble code is "0" disabled.

Location 379: Phone Number to Report Expansion Trouble Code

Location 379 is used to select the phone number to report Expander Trouble. Program a "1" in this location to report to phone #1 only. Program a "2" to report to phone #2 only. Program a "3" to report to both phone numbers. If an "8" is programmed in this location, expander trouble will cause zone 32 to "open", and cause expander trouble to take on the reporting and alarm characteristics of zone 32.

Location 380-395: Pro-gramming The Zone Types for Zones 17 - 32

Locations 380 through 395 contain a number identifying the characteristics of zones 17 through 32. Location 380 corresponds to zone 17 and location 395 corresponds to zone 32. Each zone 17-32 has been factory defaulted to No. "6" INSTANT zone type. To program zone characteristics other than the default values, program a number from "1" to "9" based on the characteristics found in the "Available Zone Types" table on page 13 of this manual.

Location 396-411: Assigning Special Characteristics for Zones 17-32

Locations 396 through 411 are used to assign zone characteristics for zones 17 through 32. Location 396 is for zone 17 an location 411 is for zone 32. Each zone can have any or all of the following characteristics regardless of the zone type select
in locations 380-395 excluding Fire zones, which cannot have isolate capability enabled. Factory default is "12" for each of these locations, meaning that Zone Isolate Capability & Partial Mode are enabled, and the other characteristics are not enabled. To include other characteristics, add their value, and program the sum in the appropriate location. See the table below for zone
characteristics and their corresponding values.

VALUE	CHARACTERISTIC
1	Fast Loop Response (200mS)
2	Group Isolate Zone
4	Partial Mode Zone
8	Zone Isolate Capability

Example 1 -To add Group Isolate Zone (Value=2) to Zone Isolate Capability (Value=8) for zone 20 (location 399), add
the value of the two characteristics (2 + 8--'10"), and program the sum of '10" in location 399.

Example 2 -To enable ALL characteristics for zone 20, add the value of all characteristics (1 + 2 + 4 + 8 = "15"), and
program the sum of '15" in location 399 (zone 10 characteristics location).

Example 3-To disable all characteristics and create a Non Isolatable Zone, program a '0' In the appropriate location.

Location 412-427: Assigning Audible Characteristics For Zones 17-32

Locations 412-427 are used to assign the audible characteristics zones 17 through 32. Location 412 is for zone 17, and location 427 is for zone 32. Each zone can be silent (SILENT *VALUE="0),* or have one, or a combination of the following audible characteristics. To determine the appropriate data for these locations, refer to the chart below and add the sum of the corresponding values to arrive at the correct data for these locations. Zones 17-32 have a factory default setting of "13" (1+ 4 + 8 = "13"). This means that zones 17-32 will create a yelp siren output and a code pad sounder output when an alarm is created. To select the audible characteristics for any zone, add the values of the audible characteristics from the table below, and program the sum in the appropriate locations 412-427. NOTE: If a Fire zone type is selected in locations 380-395, standard fire zone characteristics will override any selection made for a zone in this section. If you wish for the zone to be SILENT, program a "0" in the appropriate location.

VALUE	AUDIBLE CHARACTERISTICS
1	Yelp Siren Audible
2	Steady Siren Audible
4	Code pad Sounder Audible
8	Chime Enable

Location 428-443: Special Communicator Reporting Characteristics For Zones 17-32

Locations 428-443 are used to assign communicator characteristics to individual zones 17 through 32. Location 428 is for zone
X17 and location 443 is for zone 32. Each zone can have one or a combination of these characteristics. Factory default for all zones is "11" (1 + 2 + 8 ="11 "). This means that each zone has *RESTORE REPORTING (Value=1), ISOLATE REPORTING (Value=2), and REPORT CANCELING (Value=8)* enabled. It should be noted that these locations are used to enable individual zone report capability by zone. A reporting code must be programmed in the appropriate location to enable overall reporting capability of Restore reports (location 364), Isolate reports (location 368), and Trouble/24 Hour tamper reports (location 372).

VALUE	REPORTING CHARACTERISTICS
1	Restore Reporting
2	Isolate Reporting
4	Trouble/24 Hour Tamper Reporting
8	Report Canceling

Location 444-447: Programming the Communicator Code for Zone 17

Locations 444-447 are used to control the communicator code for zone 17. Zone 17 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "17" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:7:5" with telephone number 1 and the event log enabled
.

Location 448-451: Programming the Communicator Code for Zone 18

Locations 448-451 are used to control the communicator code for zone 18. Zone 18 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "18" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:8:5" with telephone number 1 and the event log enabled.

Location 452-455: Programming the Communicator Code for Zone 19

Locations 452-455 are used to control the communicator code for zone 19. Zone 19 is automatically enabled and when contact *ID* is selected the default report is event "130 - Burglary" with point "19" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:1:9:5" with telephone number 1 and the event log enabled.

Location 456-459: Programming the Communicator Code for Zone 20

Locations 456-459 are used to control the communicator code for zone 20. Zone 20 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "20" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:0:5" with telephone number 1 and the event log enabled.

Location 460-463: Programming the Communicator Code for Zone 21

Locations 460-463 are used to control the communicator code for zone 21. Zone 21 is automatically enabled and when contact *ID* is selected the default report is event "130 - Burglary" with point "21" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:1:5" with telephone number 1 and the event log enabled.

Location 464-467: Programming the Communicator Code for Zone 22

Locations 464-467 are used to control the communicator code for zone 22. Zone 22 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "22" when in alarm. Refer to appendix 1 ff a different event type is required. The defaults are "3:2:2:5" with telephone number 1 and the event log enabled.

Location 468-471: Programming the Communicator Code for Zone 23

Locations 468-471 are used to control the communicator code for zone 23. Zone 23 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "23" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:3:5" with telephone number 1 and the event log enabled.

Location 472-475: Programming the Communicator Code for Zone 24

Locations 472-475 are used to control the communicator code for zone 24. Zone 24 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "24" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:4:5" with telephone number 1 and the event log enabled.

Location 476-479: Programming the Communicator Code for Zone 25

Locations 476-479 are used to control the communicator code for zone 25. Zone 25 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "25" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:5:5" with telephone number 1 and the event log enabled.

Location 480-483: Programming the Communicator Code for Zone 26

Locations 480-483 are used to control the communicator code for zone 26. Zone 26 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "26" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:6:5" with telephone number 1 and the event log enabled.

Location 484-487: Programming the Communicator Code for Zone 27

Locations 484-487 are used to control the communicator code for zone 27. Zone 27 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "27" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:7:5" with telephone number 1 and the event log enabled.

Location 488-491: Programming the Communicator Code for Zone 28

Locations 488-491 are used to control the communicator code for zone 28. Zone 28 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "28" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:8:5" with telephone number 1 and the event log enabled.

Location 492-495: Programming the Communicator Code for Zone 29

Locations 492-495 are used to control the communicator code for zone 29. Zone 29 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "29" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:2:9:5" with telephone number 1 and the event log enabled.

Location 496-499: Programming the Communicator Code for Zone 30

Locations 496-499 are used to control the communicator code for zone 30. Zone 30 is automatically enabled and when contact ID is selected the default report is event "130 - Burglary" with point "30" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:3:0:5" with telephone number 1 and the event log enabled.

Location 500-503: Programming the Communicator Code for Zone 31

Locations 500-503 are used to control the communicator code for zone 31. Zone 31 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "30" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:3:1:5" with telephone number 1 and the event log enabled.

Location 504-507: Programming the Communicator Code for Zone 32

Locations 504-507 are used to control the communicator code for zone 32. Zone 32 is automatically enabled and when contact I.D is selected the default report is event "130 - Burglary" with point "32" when in alarm. Refer to appendix 1 if a different event type is required. The defaults are "3:3:2:5" with telephone number 1 and the event log enabled.

Location 508-510: Reserved

Location 511: Expander Trouble Restore Code

The DL-300E has the ability to report to the base station when the an expander device has been restored. Once the expander device has been restored to the DL-300E, there will be a short delay time before the restore code will be sent to the base station. Program a "1" into this location to enable expander device restore reports. Program a "0" into this location to disable restore reports. Default for expander device code is "0" disabled.

Location 512-571: Programming The Arm/Disarm Code For Users 16-30

Locations 512-571 contain the arm/disarm codes for user numbers 16 thru 30. THE CODE MUST CONTAIN FOUR (4) DIGITS. To disable a code, program a "15" as the first digit of the code. This code can be changed in the RUN mode using the master code (see Operator's Manual). The factory default for users 16 thru 30 is "15", disabled.

Location 572-586: Users 16-30 Arm/Disarm Code Enable By Partition

PARTITIONED SYSTEMS

If partitions are utilized codes may be assigned to a specific partition by using locations 572-586. This is done by disabling each individual code (code 16, location 572 thru code 30, location 586) for each of the four partitions that code should not have access to. Codes are selected by adding the binary equivalents for each partition together and programming that number in the proper location. Partition One = 1, Partition Two = 2, Partition Three = 4, and Partition Four = 8. For example, if code 17 should only be valid for Partition Four 4, program an "8" in location 573. If code 25 is valid for Partitions Two, Three, and Four, a "14" should be programmed in location 581. Factory default is N15", code valid for all partitions.

NON-PARTITIONED SYSTEMS

When partitioning is not being utilized, locations 572-586 can be used to control the arming and disarming authority of the individual arm/disarm codes. A code can be given limited authority by programming a number from 1 to 15 in the corresponding location for that code. Add the values in the table below that correspond to the desired arm/disarm characteristics, and program the sum in the appropriate locations.

Location 587: Early To Open, Late To Close And/Or Automatic Arming Features

To enable the early to open and late to close features program a "1" in this location. If you also wish to enable the automatic arming feature program a "3" in this location. A time must be entered into locations 600-603 and 604-607 to enable these features. The Automatic Arming feature will arm the DL-300E at the selected time. At that time, the code pad sounders will sound for 30 seconds, warning anyone who remains in the protected building that the system is about to automatically arm. If a valid code is not entered before the end of the 30 second warning time, the system will automatically arm. If a valid code is entered, a late to close signal will be transmitted. NOTE: If open/close reports are used, Automatic Arming will report user 28.

Location 588-591: Communicator Code For Late-To-Close Report

The DL-300E has the ability to report a 1 to 3 digit late-to-close report when these location(s) are programmed and a closing time has been programmed in locations 604-607. Factory default is "0" for all locations and this feature is not enabled.

Location 592-595: Communicator Code For Early Opening Report

The DL-300E has the ability to report a 1 to 3 digit early opening code when these location(s) are programmed and a opening time has been programmed in locations 600-603. Factory default is "0" for all locations and this feature is not enabled.

Location 596-599: Communicator Code To Report Downloading Complete

Location 352-355 contains the communicator report sent each time a download session has been completed. The report will come in after a disconnect has been made from a downloading session. When contact I.D is selected, program a "1" in Data 1 to report event "412 - Download Complete Code".

Location 600-603: Opening Time

To enable the early opening report feature a 4 digit 24 hour (military) opening time must be entered in locations 600-603. For example, to enter a opening time of 8:15 a.m.(08:15), program a "0" in location 600, a "8" in location 601, a "1 " in location 602, and a "5" in location 603. Factory default is a "0-6-0-0" which sets an opening time of 6:00 AM. NOTE: A communicator code must be entered in location(s) 592-594 if this feature is selected.

Location 604-607: Closing Time

To enable the late closing report a 4 digit, 24 hour closing time must be entered in locations 604-607. For example, to enter a closing time of 6:30 p.m.(1830), program a "1" in location 604, a "8" in location 605, a "3" in location 606, and a "0" in location 607. Factory default is a "2-0-0-0" which sets a closing time of 8:00PM. NOTE: A communicator code must be entered in location(s) 588-590 if this feature is selected.

Location 608: Closed Saturday Enable

A "1" should be programmed in location 608 if the installation will be closed on Saturdays and early opening or late to close features have been enabled. A "1" will cause the early report to be communicated in the event an opening is made on Saturday. Factory default is "0" and openings are allowed on Saturday within the assigned schedule without creating a report.

Location 609: Closed Sunday Enable

A "1" should be programmed in location 609 if the installation will be closed on Sundays and early opening or late to close features have been enabled. A "1" will cause a report to be communicated in the event of a late closing after an opening. Factory default is "0" and openings are allow on Sunday with the assigned schedule without creating a report.

Location 610-615: Format Overrides (See Appendix)

Location 616: Programming The Hour For Autotest - Tens Digit

Location 616 contains the tens digit of the hour that the autotest report is initiated. The time is entered in 24 hour time. If the desired autotest time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "1 ", which is the tens digit of the desired hour for autotest. If the desired autotest time is 9:36 AM, the 24 hour time is 09:36, and this location should contain a “0”.

Location 617: Programming The Hour For Autotest - Ones Digit

Location 617 contains the ones digit of the hour that the autotest report is desired. The time is entered in 24 hour time. If the desired autotest time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "7", which is the ones digit of the hour for autotest. If the desired autotest time is 9:36 AM, the 24 hour time is 09:36, and this location should contain a "9".

Location 618: Programming The Minutes For Autotest - Tens Digit

Location 618 contains the tens digit, of the minutes after the hour that the autotest is desired. The time is entered in 24 hour time. If the desired autotest time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "2", which is the tens digit of the minutes for autotest time. If the desired autotest time is 9:36 AM, the 24 hour time is 09:36, and this location should contain a "3".

Location 619: Programming The Minutes For Autotest - Ones Digit

Location 619 contains the ones digit, of the minutes after the hour that the autotest is desired. The time is entered in 24 hour time. If the desired autotest time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "5", which is the ones digit of the minutes for autotest time. If the desired autotest time is 9:36 AM, the 24 hour time is 09:36, and this location should contain a "6".

Location 620-621: Autotest Report Intervals

Locations 620 and 621 contain the number of days in the autotest report intervals. Location 620 is the 10's digit and location 621 is the 1's digit. The available interval is 1 to 99 days. If a 1 to 9 day interval is selected the first location should remain a zero "0". If the selected interval is every 75 days, you would program a "7" in location 620 and a "5" in location 621. Locations 340-342 must be programmed to enable autotest reporting.

Location 622: Automatic Download Callback Enable

Programming a "1" in location 622 will cause the control panel to automatically call the download computer callback number at every autotest interval. This feature will not activate unless a callback phone number has been programmed, and a "2" is programmed in location 024 in the download work area.

Location 623: AC Power Loss Delay Feature

The number programmed in location 623 represents the number of 1 minute **increments the AC Power Loss** report is delayed before a communication is initiated, from 1 to 15 minutes. Factory default is "5" programmed in this location and **AC Power Loss** reports will be delayed 5 minutes. The **AC Power Restore,** if enabled in location 376, will also delay reporting until after the number of minutes programmed in this location has elapsed. If a "0" is selected (Instant), the delay will be approximately 20 seconds. This is to allow for transients and power surges. If one minute is selected, the delay will be approximately 1 minute and 20 seconds.

Location 624-625: Programming The Number Of Elapsed Days Since Last Auto Test Report

Location 624 contains the tens digit of the number of days between autotest reports and location 625 contains the ones digit. Example: If today is Thursday, and you want a weekly test on Sundays (a "0 - 7" in locations 620-621), program a "0" in location 624, and a "4" in location 625 (four days have elapsed).

Location 626: Programming Current Day Of Week

A number from 1 to 7 should be programmed in this location to indicate the current day of the week. If the day is Monday, program a "2" in this location. If the day is Friday, program a "6" in this location. Sunday ="1 ", and for Saturday ="7".

Location 627: Programming The Current

Location 627 contains the current month. The month must be programmed using a number from "1" to "12",

Location 628: Programming The Current Day Of Month Tens Digit

Location 628 should be programmed with first digit of the current day of the month. If the current date is December 25th, program a "2" in location 628.

Location 629: Programming The Current Day Of Month Ones Digit

Location 629 should be programmed with the second digit of the current day of the month. If the current date is December 25th program a "5" in location 629.

Location 630: Programming The Current Year - Tens

Location 630 contains the current year - tens digit. If the current year is 1992, this location should contain a 9, which is the tens digit of the current year.

Location 631: Programming The Current Year -

Location 631 contains the current year - ones digit. If the current year is 1992, this location should contain a "2", which is the ones digit of the current year. If the current year is 1995, this location should contain a "5", which is the ones digit of the current year.

Location 632: Programming The Current Hour - Tens

Location 632 contains the current hour - tens digit. The time is entered in 24 hour time. If the current time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "1 ", which is the current hour - tens digit. If the current time is 9:36 AM, the 24 hour time is 09:36, so this location should contain a "0".

Location 633: Programming The Current Hour - Ones

Location 633 contains the current hour - ones digit. The time is entered in 24 hour time. If the current time is 5:25 PM, the 24 hour time is 17:25, so this location should contain a "7", which is the current hour - ones digit. If the current time is 9:36 AM, the 24 hour time is 09:36, and this location should contain a "9".

Location 634: Programming The Current Minutes - Tens

Location 634 contains the current minutes - tens digit. The time is entered in 24 hour time. If the current time is 5:25 PM, the 24 hour time is 17:25, so location 160 should contain a "2", which is the current minutes - tens digit. If the current time is 9:36 AM, the 24 hour time is 09:36, and this location should contain a "3".

Location 635: Programming The Current Minutes – Ones Digit

Location 635 contains the current minutes – ones digit. The time is entered in 24 hour time. If the current time is 5:25PM, the 24 hour time is 17:25, so this location should contain a “5”, which is the current minutes – ones digit. If the current time is 9:36AM the 24 hour time is 09:36, and this location should contain a “6”.

THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING

Location 000-007: Control Panel Access Code

Locations 000-007 contain the eight digit access code the DL-300E must receive from the downloading software before the panel will permit downloading to occur. The factory default code is listed in the instructions provided with the DAS download *software* package.

Location 008-023: Cell Back Telephone Number

If a telephone number is programmed into these locations, and "callback" is enabled in location 024, the control panel will hang tip for approximately 36 seconds (insuring that the calling patty has disconnected), and then call back. If tone dialing is desired, program an "F" in the location where tone dialing should begin. If the entire number should be tone dialing, program an "F" in location 008. Four second delays can be obtained anywhere in the sequence by programming a "D" in the appropriate delay location. WARNING: THE CALLBACK PHONE NUMBER SHOULD ALWAYS BE REVIEWED FOR ACCURACY BEFORE DISCONNECTING.

Location 024: Call Back Optional Features

The number programmed in location 660 will set the callback option for the control panel. Any or all of the features below can be obtained by programming the appropriate data in this location. The correct data can be obtained by ADDING the values of the corresponding characteristics from the table below (possible values are 0 to 7).

VALUE	*CHARACTERISTIC*
1	Panel will automatically callback for download session.
2	Site initiated download call by entering [*][9][8][#] at code pad, and/or automatic callback if a "1" is programmed in location 822.
4	Panel will automatically callback when the event log is full.

Example 1- Programming a "5" (1 + 4= 5) in this location will combine the characteristics for values 1 and 4.

Example 2- Programming a "7" (1 +2 +4= 7) in this location will combine all of the characteristics described,

Location 025: Local Programming Lockout

Location 025 is used to disable local programming lockout. If a "5" is programmed in this location, all local programming is hocked out. If an 'A" is programmed in this location, all programming functions related to the digital communicator will be locked out. Any other number in location 025 will allow all local programming.

Location 026: Control Panel Shutdown

Location 026 is used to shut down the control panel. Programming an "A" in this location will completely shutdown the control panel. The code pad will appear "dead", and the siren and communicator will not operate. WARNING: EXTREME CARE SHOULD BE TAKEN NOT TO INADVERTENTLY PROGRAM THIS LOCATION.

! ! ! **IMPORTANT** ! ! !

Before programming the OL-300E for the first time, enter the "Go To Program Code" [9][7][f][3] from the code pad, followed by the factory default function code [9][5][0][k]. The panel defaults will now match this installation manual and you may begin programming the control panel. When using an optional plug-in programmer which automatically enters the programming mode, the only entry necessary is [9][5][0][x] to load factory defaults.

ARM/DISARM CODES 1-15

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
000-003	9	USER #1 ARM/DISARM CODE (MASTER)					"1-2-3-4"
004-007	9	USER # 2 ARM/DISARM CODE					"15" DISABLED
008-011	9	USER # 3 ARM/DISARM CODE					"15" DISABLED
012-015	9	USER # 4 ARM/DISARM CODE					"15" DISABLED
016-019	8	USER # 5 ARM/DISARM CODE					"15" DISABLED
020-023	8	USER # 6 ARM/DISARM CODE					"15" DISABLED
024-027	8	USER # 7 ARM/DISARM CODE					"15" DISABLED
028-031	8	USER # 8 ARM/DISARM CODE					"15" DISABLED
032-035	8	USER # 9 ARM/DISARM CODE					"15" DISABLED
036-039	8	USER # 10 ARM/DISARM CODE					"15" DISABLED
040-043	8	USER # 11 ARM/DISARM CODE					"15" DISABLED
044-047	8	USER # 12 ARM/DISARM CODE					"15" DISABLED
048-051	8	USER # 13 ARM/DISARM CODE					"15" DISABLED
052-055	8	USER # 14 ARM/DISARM CODE					"15" DISABLED
056-059	8	USER # 15 ARM/DISARM CODE					"15" DISABLED
060-063	8	GO TO PROGRAM ACCESS CODE					"9-7-1-3"

ENABLING ARM/DISARM CODES 1-16 BY PARTITION (OPTIONAL)

LOCATION	*PAGE*	*DESCRIPTION*	*DATA*	*"DEFAULT"*
64	9	PARTITION(S) FOR USER # 1 ARM/DISARM CODE		'15' ALL
65	9	PARTITION(S) FOR USER # 2 ARM/DISARM CODE		CE' ALL
66	9	PARTITION(S) FOR USER # 3 ARM/DISARM CODE		'15'ALL
67	9	PARTITION(S) FOR USER # 4 ARM/DISARM CODE		'15' ALL
68	9	PARTITION(S) FOR USER # 5 ARM/DISARM CODE		'15'ALL
69	9	PARTITION(S) FOR USER # 6 ARM/DISARM CODE		'15' ALL
70	9	PARTITION(S) FOR USER # 7 ARM/DISARM CODE		'15'ALL
71	9	PARTITION(S) FOR USER # 8 ARM/DISARM CODE		'15'ALL
72	9	PARTITION(S) FOR USER # 9 ARM/DISARM CODE		'15'ALL
73	9	PARTITION(S) FOR USER # 10 ARM/DISARM CODE		'15'ALL
74	9	PARTITION(S) FOR USER # 11 ARM/DISARM CODE		'15' ALL
75	9	PARTITION(S) FOR USER # 12 ARM/DISARM CODE		'15'ALL
76	9	PARTITION(S) FOR USER # 13 ARM/DISARM CODE		'15'ALL
77	9	PARTITION(S) FOR USER # 14 ARM/DISARM CODE		'15'ALL
78	9	PARTITION(S) FOR USER # 15 ARM/DISARM CODE		'15' ALL
79		PARTITION(S) FOR "GO TO PROGRAM" ACCESS CODE		'15' ALL

PARTITIONED SYSTEMS / **NON PARTITIONED SYSTEMS**

VALUE	CHARACTERISTIC	VALUE	CHARACTERISTIC
1	Partition #1	1	Standard Arm/Disarm Code
2	Partition #2	2	Arm Only After Closing Time
4	Partition #3	4	Arm Only Code
8	Partition #4	8	Open/Close Reports For User

PHONE # 1

LOCATION	PAGE	DESCRIPTION	PHONE NUMBER	DEFAULT
80-88	10	PHONE #1, DIGITS 1-8		"14" DISABLED
89-95	10	PHONE #1, DIGITS 9-16		"14" DISABLED

PRIMARY ACCOUNT NUMBER

LOCATION	PAGE	DESCRIPTION	ACCOUNT CODE	DEFAULT
96-100	10	PRIMARY ACCOUNT NUMBER		"0" DISABLED

PRIMARY FORMAT

LOCATION	PAGE	DESCRIPTION	FORMAT	DEFAULT
101	10	PRIMARY FORMAT		"0" DISABLED

PHONE # 2

LOCATION	PAGE	DESCRIPTION	PHONE NUMBER	DEFAULT
102-110	10	PHONE #2, DIGITS 1-8		"14" DISABLED
111-117	10	PHONE #2, DIGITS 9-16		"14" DISABLED

SECONDARY ACCOUNT NUMBER

LOCATION	PAGE	DESCRIPTION	ACCOUNT CODE	DEFAULT
118-122	10	SECONDARY ACCOUNT NUMBER		"0" DISABLED

SECONDARY FORMAT

LOCATION	PAGE	DESCRIPTION	FORMAT	DEFAULT
123	10	SECONDARY FORMAT		"0" DISABLED

PARTITION #3 & #4 ACCOUNT NUMBER (OPTIONAL)

LOCATION	PAGE	DESCRIPTION	ACCOUNT CODE	DEFAULT
124-127	11	PARTITION #3 ACCOUNT CODE		"0" DISABLED
128-131	11	PARTITION #4 ACCOUNT CODE		"0" DISABLED

SELECTING PHONE SEQUENCE

LOCATION	PAGE	DESCRIPTION	FORMAT	DEFAULT
132	11	PHONE SEQUENCE CONTROLLER		"0" DISABLED

DATA	FORMAT	DESCRIPTION
"0"	LOCAL ONLY	COMMUNICATOR IS DISABLED
"1"	ADEMCO CONTACT ID	DTMF FORMAT
"2"	ADEMCO 4/2 EXPRESS	DTMF FORMAT
"3"	FBI SUPERFAST	2300HZ
"4"	ADEMCO HIGHSPEED	DTMF FORMAT
"5"	RADIONICS EXTENDED SLOW	1800HZ TRANSMITTAL 2300HZ 20 PPS HEX EXTENDED DOUBLE ROUND
"6"	CADDX MODEM	PROPRIETARY
"7"	RADIONICS EXTENDED FAST	1800HZ TRANSMITTAL 2300HZ HANDSHAKE 40 PPS HEX EXTENDED DOUBLE ROUND
"8"	RADIONICS EXTENDED FAST	1800HZ TRANSMITTAL 1400HZ HANDSHAKE 40 PPS HEX EXTENDED DOUBLE ROUND
"9"	RADIONICS EXTENDED FAST W/ PARITY	1800HZ TRANSMITTAL 2300HZ HANDSHAKE 40 PPS HEX EXTENDED
"10"	SCANTRONICS	DTMF FORMAT 2300HZ HANDSHAKE
"11"	ADEMCO/SILENT KNOGHT SLOW	1900HZ TRANSMITTAL 1400HZ HANDSHAKE 10 PPS DOUBLE ROUND PARITY
"12"	SILENT KNIGHT 4+2 FAST	1900HZ TRANSMITTAL 1400HZ HANDSHAKE 20 PPS DOUBLE ROUND PARITY
"13"	SESCOA/FRANKLIN FAST	1800HZ TRANSMITTAL 1400HZ HANDSHAKE 20 PPS DOUBLE ROUND PARITY
"14"	SIA	FSK FORMAT
""15"	OVER-RIDE ENABLE	DOMESTIC DIALING SETUP, SEE LOCATIONS 610-615

COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
133	12	NUMBER OF DIAL ATTEMPTS		'6' SIX
134	12	PRIMARY ENTRY DELAY TIME		'3'30 SECONDS
13S	*i2*	PHIMARY EXIT DELAY (10 SEC INCREMENTS)		'6'60 SECONDS
1a6	12	SECONDARY ENTRY DELAY (10 SEC INCREMENTS)		'3'30 SECONDS
137	12	SECONDARY EXIT DELAY (10 SEC INCREMENTS		'6' 60SECONDS
136	12	SIREN CUTOFF TIME (2 MINUTE INCREMENTS)		'4 '8 MINUTES
139	13	ZONE#1- ZONE TYPE **LOCATIONS 139-154**		'3' ENTRY/EXIT
140	13	ZONE#2- ZONE TYPE		
141	13	ZONE #3- ZONE TYPE		
142	13	ZONE#4- ZONE TYPE		V INSTANT
143	13	ZONE #5- ZONE TYPE		'6' INSTANT
144	13	ZONE #6- ZONE TYPE		'6'INSTANT
145	13	ZONE#7- ZONE TYPE		V INSTANT
146	13	ZONE#8- ZONE TYPE		'6' INSTANT
147	13	ZONE #9- ZONE TYPE		'6' INSTANT
148	13	ZONE#10-ZONE TYPE		'6' INSTANT
149	13	ZONE#11-ZONETYPE		's' INSTANT
150	13	ZONE #12-ZONETYPE		'6' INSTANT
151	13	ZONE#13-ZONE TYPE		'6' INSTANT
152	13	ZONE#14-ZONE TYPE		'6' INSTANT '
153	13	ZONE#15-ZONE TYPE		V INSTANT
154	13	ZONE#16-ZONE TYPE		'6' INSTANT
155	14	ZONE#1- SPECIAL CHARACTERISTICS		'12'
156	14	ZONE.- SPECIAL CHARACTERISTICS **LOCATIONS 155-170**		'12'
157	14	ZONE#3- SPECIAL CHARACTERISTICS		'12'
158	14	ZONE#4- SPECIAL CHARACTERISTICS		'12'
159	14	ZONE *MS*- SPECIAL CHARACTERISTICS		'12'
160	14	ZONE#6- SPECIAL CHARACTERISTICS		'12'
161	14	ZONE#7- SPECIAL CHARACTERISTICS		'12'
162	14	ZONE *a3*- SPECIAL CHARACTERISTICS		'12'
163	14	ZONE #9- SPECIAL CHARACTERISTICS		'12'
164	14	ZONE #10-SPECIALCHARACTERISTICS		'12'
165	14	ZONE #it-SPECIALCHARACTERISTICS		'12'
166	14	ZONE#12-SPECIAL CHARACTERISTICS		'12'
167	14	ZONE #13-SPECIALCHARACTERISTICS		'12'
166	14	ZONE #14-SPECIALCHARACTERISTICS		'12'
169	14	ZONE #15-SPECIALCHARAOTERISTICS		'12'
170	14	ZONE #16-SPECIALCHARACTERISTICS		'12'

DATA	ZONE TYPES
1	Day Zone
2	24 Hour
3	Entry/Exit
4	Interior Delay
5	Interior Follower
6	Instant
7	Secondary Delay
8	Fire
9	Keyswitch

VALUE	CHARACTERISTIC
1	*Fast Loop Response (200mS)*
2	Group Isolate Zone
4	Entry-Guard Zone
8	Zone Isolate Capability

FOR LOCATIONS 133 THRU 138, YOU PROGRAM A NUMBER BETWEEN "0" AND "15"

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
171	15	ZONE # 1 – AUDIBLE CHARACTERISTICS		'1'
172	15	ZONE # 2 – AUDIBLE CHARACTERISTICS		'1'
173	15	ZONE # 3 – AUDIBLE CHARACTERISTICS		'1'
174	15	ZONE # 4 – AUDIBLE CHARACTERISTICS)		'1'
175	15	ZONE # 5 – AUDIBLE CHARACTERISTICS		'1'
176	15	ZONE # 6 – AUDIBLE CHARACTERISTICS		'1'
177	15	ZONE # 7 – AUDIBLE CHARACTERISTICS		'1'
178	15	ZONE # 8 – AUDIBLE CHARACTERISTICS		'1'
179	15	ZONE # 9 – AUDIBLE CHARACTERISTICS		'1'
180	15	ZONE # 10 – AUDIBLE CHARACTERISTICS		'1'
181	15	ZONE # 11– AUDIBLE CHARACTERISTICS		'1'
182	15	ZONE # 12 – AUDIBLE CHARACTERISTICS		'1'
183	15	ZONE # 13– AUDIBLE CHARACTERISTICS		'1'
184	15	ZONE # 14 – AUDIBLE CHARACTERISTICS		'1'
185	15	ZONE # 15 – AUDIBLE CHARACTERISTICS		'1'
186	15	ZONE # 16 – AUDIBLE CHARACTERISTICS		'1'
187	15	ZONE#1 REPORTING CHARACTERISTICS		'11'
188	15	ZONE#2 REPORTING CHARACTERISTICS		'11'
189	15	ZONE#3 REPORTING CHARACTERISTICS		'11'
190	15	ZONE#4 REPORTING CHARACTERISTICS		'11'
191	15	ZONE#5 REPORTING CHARACTERISTICS		'11'
192	15	ZONE#6 REPORTING CHARACTERISTICS		'11'
193	15	ZONE#7 REPORTING CHARACTERISTICS		'11'
194	15	ZONE#8 REPORTING CHARACTERISTICS		'11'
195	15	ZONE#9 REPORTING CHARACTERISTICS		'11'
196	15	ZONE#10 REPORTING CHARACTERISTICS		'11'
197	15	ZONE#11 REPORTING CHARACTERISTICS		'11'
198	15	ZONE#12 REPORTING CHARACTERISTICS		'11'
199	15	ZONE#13 REPORTING CHARACTERISTICS		'11''
200	15	ZONE#14 REPORTING CHARACTERISTICS		'11'
201	15	ZONE#15 REPORTING CHARACTERISTICS		'11'
202	15	ZONE #16-SPECIALCHARACTERISTICS		'11'
203	15	COMMUNICATOR ABORT		'0' DISABLED
204	16	IMMEDIATE RESTORE BY ZONE		'1' DISABLED
205	16	AUTO ISOLATE ENABLE		'0' DISABLED
206	16	SILENT HOLD UP/PANIC		'0' AUDIBLE
207	16	RESERVED		'RESERVED'
208	16	ISOLATED ZONE Code pad SOUNDER ALERT		'1' ENABLED

LOCATIONS 171-186

VALUE	AUDIBLE CHARACTERISTIC
1	Day Zone
2	24 Hour
3	Entry/Exit
4	Interior Delay
5	Interior Follower

LOCATIONS 187-202

VALUE	REPORTING CHARACTERISTICS
1	Restore Reporting
2	Isolate Reporting
4	Trouble/24 Hour Tamper Reporting
8	Report Calling

FOR LOCATIONS 203 THRU 209, A '1' WILL ENABLE, AND A '0' WILL DISABLE THESE FEATURES.

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
209	16	AC POWER OUT Code pad SOUNDER ALERT		'1' ENABLED
210	16	SIREN/BELL TEST FEATURE		'0' DISABLED
211	16	Partial Mode SECURITY FEATURE (1 = FULL CODE TO DISARM)		'0' DISABLED
212	16	RINGBACK FEATURE		'0' DISABLED
213	16	MULTIPLE PARTITION : FIRST–TO-OPEN, LAST-TO-CLOSE		'0' DISABLED
214	17	RESETTABLE AUXILIARY POWER		'1' ENABLED
215	17	SIREN OUTPUT LIMIT (0 = UNLIMITED)		'1' LIMITED
216	17	COMMUNICATOR REPORT LIMIT(1 = LIMITED)		'0' UNLIMITED
217	17	PARTITION SIREN INHIBIT/CONTACT ID GROUP DIGIT REPORTING		'0' ALL PARTITION
218	17	RESERVED		'1' RESERVED
219	17	SWINGER SHUTDOWN FEATURE		'0' DISABLED
220	17	RESERVED		'0' RESERVED
221	17	DELAY OF PHONE LINE SEIZURE FOR ABORT (2 SECOND INCREMENTS)		'0' NO DELAY
222	18	QUICK ARM DIGIT (OPTION 1 TO 9)		'0' DISABLED
223	18	PARTIAL MODE DELAY TIME (10 SECOND		'2' 20 SECONDS

AUXILIARY OUTPUT OPTIONS

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
224-227	18	PIN #1					'0-0-13-10'
228-231	18	PIN #2					'0-0-13-11'
232-235	18	PIN #3					'0-15-13-2'
236-239	18	PIN #4					'0-0-13-2'

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
240	20	INVERTING THE AUXILIARY OUTPUTS		'0'
241	21	TIMIMG INCREMENTS FOR AUXILIARY OUTPUTS		'0'
242	21	ANSWERING MACHINE DEFEAT (OPTIONS 1 TO 3 RINGS)		'0' DISABLED
243	21	NUMBER OF RINGS TO ANSWER DOWNLOAD CALL (INCREMENTS OF 2)		'0' DISABLED
244	21	ASSIGNING THE CHIME CODE OPTIONS 1 TO 9 '15' = DISABLED		'1' ENABLED
245	21	ASSIGNING THE PARTIAL MODE CODE (OPTIONS 1 TO 9)		'0' DISABLED
246	22	COMMON AREA ENABLE ('3' = ENABLED)		'0' DISABLED
247	22	ZONES IN PARTITION # 1		'0' NONE
248	22	ZONES IN PARTITION # 2		'0' NONE
249	22	ZONES IN PARTITION # 3		'0' NONE
250	22	POWER UP CONDITION ('1' = DISARMED, '2' = ARMED)		'0' PREVIOUS
251	22	POWER UP DELAY (10 SECOND INCREMENTS)		'0' NO DELAY
252	23	TELEPHONE LINE MONITOR		'0' DISABLED
253	23	TELEPHONE LINE MONITOR COUNTER		'0' DISABLED
254	23	DYNAMIC BATTERY TEST TIME (2 HOUR INCREMENTS)		'3' 6:00 AM
255	23	DYNAMIC BATTERY TEST DURATION (1 MINUTE INCREMENTS)		'0' DISABLED

SELECTING ZONES 1-16 COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
256-259	24	ZONE#1 COMMUNICATOR CODE					'3-0-1-5'
260-263	24	ZONE#2 COMMUNICATOR CODE					'3-0-2-5'
264-267	24	ZONE#3 COMMUNICATOR CODE					'3-0-3-5'
268-271	24	ZONE#4 COMMUNICATOR CODE					'3-0-4-5'
272-275	24	ZONE#5 COMMUNICATOR CODE					'3-0-5-5'
276-279	24	ZONE#6 COMMUNICATOR CODE					'3-0-6-5'
280-283	24	ZONE#7 COMMUNICATOR CODE					'3-0-7-5'
284-287	24	ZONE#8 COMMUNICATOR CODE					'3-0-8-5'
288-291	24	ZONE#9 COMMUNICATOR CODE					'3-0-9-5'
292-295	24	ZONE#10 COMMUNICATOR CODE					'3-1-0-5'
296-299	24	ZONE#11 COMMUNICATOR CODE					'3-1-1-5'
300-303	24	ZONE#12 COMMUNICATOR CODE					'3-1-2-5'
304-307	24	ZONE#13 COMMUNICATOR CODE					'3-1-3-5'
308-311	24	ZONE#14 COMMUNICATOR CODE					'3-1-4-5'
312-315	24	ZONE#15 COMMUNICATOR CODE					'3-1-5-5'
316-319	24	ZONE#16 COMMUNICATOR CODE					'3-1-6-5'

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
320-323	24	DURESS COMMUNICATOR CODE					'0-0-0-5'
324-327	24	CODE PAD [1] &[3] AUXILIARY 1 REPORT CODE					'0-0-0-5'
328-331	25	CODE PAD [4] &[6] AUXILIARY 2 REPORT CODE					'0-0-0-5'
332-335	25	CODE PAD [*] & [#] PANIC REPORT CODE					'2-0-0-5'
336-339	25	CODE PAD TAMPER REPORT CODE					'0-0-0-5'
340-343	25	AUTO TEST REPORT CODE					'0-0-0-5'
344-347	25	CHECKSUM REPORT CODE					'0-0-0-5'

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
348	26	OPENING REPORTS FOR USERS 1-15					'0' DISABLED
349	26	OPENING REPORTS TO PHONE #1, #2, INTERNAL LOG, OR ANY COMBINATION					'5' PHONE #1
350	26	CLOSING REPORTS FOR USERS 1-15					'0' DISABLED
351	26	CLOSING REPORTS TO PHONE #1, #2, INTERNAL LOG, OR ANY COMBINATION					'5' PHONE #1
352	27	OPENING REPORTS FOR USERS 16-30					'0' DISABLED
353	27	CLOSING REPORTS FOR USERS 16-30					'0' DISABLED
354	27	CANCEL REPORT CODE USERS 1-15					'0' DISABLED
355	27	CANCEL REPORT CODE USERS 16-30					'0' DISABLED

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
356-359	27	AC POWER LOSS REPORT					'0-0-0-5'
360-363	27	LOW BATTERY REPORT					'0-0-0-5'

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
364	27	RESTORE CODE FOR ZONES 1-8		'0' DISABLED
365	27	RESTORE CODE FOR ZONES 9-16		'0' DISABLED
366	27	RESTORE CODE FOR ZONES 17-24		'0' DISABLED
367	27	RESTORE CODE FOR ZONES 25-32		'0' DISABLED
368	28	ZONE ISOLATE CODE FOR ZONES 1-8		'0' DISABLED
369	28	ZONE ISOLATE CODE FOR ZONES 9-16		'0' DISABLED
370	28	ZONE ISOLATE CODE FOR ZONES 17-24		'0' DISABLED
371	28	ZONE ISOLATE CODE FOR ZONES 25-32		'0' DISABLED
372	28	ZONE ISOLATE CODE FOR ZONES 1-8		'0' DISABLED
373	28	ZONE ISOLATE CODE FOR ZONES 9-16		'0' DISABLED
374	28	ZONE ISOLATE CODE FOR ZONES 17-24		'0' DISABLED
375	28	ZONE ISOLATE CODE FOR ZONES 25-32		'0' DISABLED
376	28	AC POWER/LOW BATTERY RESTORE CODE		'0' DISABLED
377	28	NUMBER OF EXPANSION MODULES		'0' DISABLED
378	28	EXPANSION MODULE TROUBLE COMMUNICATOR CODE		'0' DISABLED
379	28	EXPANSION MODULE TROUBLE REPORT TO WHICH PHONE NUMBER		'0' PHONE #1
380	28	ZONE #17 – ZONE TYPE		'6' INSTANT
381	28	ZONE #18 – ZONE TYPE		'6' INSTANT
382	28	ZONE #19 – ZONE TYPE		'6' INSTANT
383	28	ZONE #20 – ZONE TYPE		'6' INSTANT
384	28	ZONE #21 – ZONE TYPE		'6' INSTANT
385	28	ZONE #22 – ZONE TYPE		'6' INSTANT
386	28	ZONE #23 – ZONE TYPE		'6' INSTANT
387	28	ZONE #24 – ZONE TYPE		'6' INSTANT
388	28	ZONE #25 – ZONE TYPE		'6' INSTANT
389	28	ZONE #26 – ZONE TYPE		'6' INSTANT
390	28	ZONE #27 – ZONE TYPE		'6' INSTANT
391	28	ZONE #28 – ZONE TYPE		'6' INSTANT
392	28	ZONE #29 – ZONE TYPE		'6' INSTANT
393	28	ZONE #30 – ZONE TYPE		'6' INSTANT
394	28	ZONE #31 – ZONE TYPE		'6' INSTANT
395	28	ZONE #32 – ZONE TYPE		'6' INSTANT

LOCATIONS 380-395

DATA	ZONE TYPES
1	Day Zone
2	24 Hour
3	Entry/Exit
4	Interior Delay
5	Interior Follower
6	Instant
7	Secondary Delay
8	Fire
9	Keyswitch

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
396	28	ZONE #17 – SPECIAL CHARACTERISTICS		'12'
397	28	ZONE #18 – SPECIAL CHARACTERISTICS		'12'
398	28	ZONE #19 – SPECIAL CHARACTERISTICS		'12'
399	28	ZONE #20 – SPECIAL CHARACTERISTICS		'12'
400	28	ZONE #21 – SPECIAL CHARACTERISTICS		'12'
401	28	ZONE #22 – SPECIAL CHARACTERISTICS		'12'
402	28	ZONE #23 – SPECIAL CHARACTERISTICS		'12'
403	28	ZONE #24 – SPECIAL CHARACTERISTICS		'12'
404	28	ZONE #25 – SPECIAL CHARACTERISTICS		'12'
405	28	ZONE #26 – SPECIAL CHARACTERISTICS		'12'
406	28	ZONE #27 – SPECIAL CHARACTERISTICS		'12'
407	28	ZONE #28 – SPECIAL CHARACTERISTICS		'12'
408	28	ZONE #29 – SPECIAL CHARACTERISTICS		'12'
409	28	ZONE #30 – SPECIAL CHARACTERISTICS		'12'
410	28	ZONE #31 – SPECIAL CHARACTERISTICS		'12'
411	28	ZONE #32 – SPECIAL CHARACTERISTICS		'12'
412	28	ZONE #17 – AUDIBLE CHARACTERISTICS		'1'
413	28	ZONE #18 – AUDIBLE CHARACTERISTICS		'1'
414	28	ZONE #19 – AUDIBLE CHARACTERISTICS		'1'
415	28	ZONE #20 – AUDIBLE CHARACTERISTICS		'1'
416	28	ZONE #21 – AUDIBLE CHARACTERISTICS		'1'
417	28	ZONE #22 – AUDIBLE CHARACTERISTICS		'1'
418	28	ZONE #23 – AUDIBLE CHARACTERISTICS		'1'
419	28	ZONE #24 – AUDIBLE CHARACTERISTICS		'1'
420	28	ZONE #25 – AUDIBLE CHARACTERISTICS		'1'
421	28	ZONE #26 – AUDIBLE CHARACTERISTICS		'1'
422	28	ZONE #27 – AUDIBLE CHARACTERISTICS		'1'
423	28	ZONE #28 – AUDIBLE CHARACTERISTICS		'1'
424	28	ZONE #29 – AUDIBLE CHARACTERISTICS		'1'
425	28	ZONE #30 – AUDIBLE CHARACTERISTICS		'1'
426	28	ZONE #31 – AUDIBLE CHARACTERISTICS		'1'
427	28	ZONE #32 AUDIBLE CHARACTERISTICS		'1'
428	28	ZONE #17 – REPORTING CHARACTERISTICS		'11'
429	28	ZONE #18 – REPORTING CHARACTERISTICS		'11'
430	28	ZONE #19 – REPORTING CHARACTERISTICS		'11'
431	28	ZONE #20 – REPORTING CHARACTERISTICS		'11'
432	28	ZONE #21 – REPORTING CHARACTERISTICS		'11'
433	28	ZONE #22 – REPORTING CHARACTERISTICS		'11'
434	28	ZONE #23 – REPORTING CHARACTERISTICS		'11'

LOCATIONS 396-411

VALUE	CHARCTERISTIC
1	Fast Loop Response (200mS)
2	Group Isolate Zone
4	Entry – Guard Zone
8	Zone Isolate Capability

LOCATIONS 412-427

VALUE	AUDIBLE CHARACTERISTIC
1	Yelp Siren Audible
2	Steady Siren Audible
4	Keypad Sounder Audible
8	Chime Feature
0	Silent Zone

LOCATIONS 428-443

VALUE	REPORTING CHARACTERISTICS
1	Restore Reporting
2	Isolate Reporting
4	Trouble/24 Hour Tamper Reporting
8	Report Cancelling

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
435	28	ZONE #24 – REPORTING CHARACTERISTICS		'11'
436	28	ZONE #25 – REPORTING CHARACTERISTICS		'11'
437	28	ZONE #26 – REPORTING CHARACTERISTICS		'11'
438	28	ZONE #27 – REPORTING CHARACTERISTICS		'11'
439	28	ZONE #28 – REPORTING CHARACTERISTICS		'11'
440	28	ZONE #29 – REPORTING CHARACTERISTICS		'11'
441	28	ZONE #30 – REPORTING CHARACTERISTICS		'11'
442	28	ZONE #31 – REPORTING CHARACTERISTICS		'11'
443	28	ZONE #32 – REPORTING CHARACTERISTICS		'11'

SELECTING ZONES 17-32 COMMUNICATOR CODES

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	"DEFAULT"
444-447	28	ZONE#17 COMMUNICATOR CODE					'3-1-7-5'
448-451	28	ZONE#18 COMMUNICATOR CODE					'3-1-8-5'
452-455	28	ZONE#19 COMMUNICATOR CODE					'3-1-9-5'
456-459	28	ZONE#20 COMMUNICATOR CODE					'3-2-0-5'
460-463	28	ZONE#21 COMMUNICATOR CODE					'3-2-1-5'
464-467	28	ZONE#22 COMMUNICATOR CODE					'3-2-2-5'
468-471	28	ZONE#23 COMMUNICATOR CODE					'3-2-2-5'
472-475	28	ZONE#24 COMMUNICATOR CODE					'3-2-3-5'
476-479	28	ZONE#25 COMMUNICATOR CODE					'3-2-5-5'
480-483	28	ZONE#26 COMMUNICATOR CODE					'3-2-6-5'
484-487	28	ZONE#27 COMMUNICATOR CODE					'3-2-7-5'
488-491	28	ZONE#28 COMMUNICATOR CODE					'3-2-8-5'
492-495	28	ZONE#29 COMMUNICATOR CODE					'3-2-9-5'
496-499	28	ZONE#30 COMMUNICATOR CODE					'3-3-0-5'
500-503	28	ZONE#31 COMMUNICATOR CODE					'3-3-1-5'
504-507	28	ZONE#32 COMMUNICATOR CODE					'3-3-2-5'
508-510	28	RESERVED					RESERVED
511	28	EXPANDER TROUBLE RESTORE CODE					'15' DISABLED
512-515	28	USER #16 ARM/DISARM CODE					'15' DISABLED
516-519	28	USER #17 ARM/DISARM CODE					'15' DISABLED
520-523	28	USER #18 ARM/DISARM CODE					'15' DISABLED
524-527	28	USER #19 ARM/DISARM CODE					'15' DISABLED
528-531	28	USER #20 ARM/DISARM CODE					'15' DISABLED
532-535	28	USER #21 ARM/DISARM CODE					'15' DISABLED
536-539	28	USER #22 ARM/DISARM CODE					'15' DISABLED
540-543	28	USER #23 ARM/DISARM CODE					'15' DISABLED

SELECTING ZONES 17-32 COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	DEFAULT
544-547	28	USER #24 ARM/DISARM CODE					'15' DISABLED
548-551	28	USER #25 ARM/DISARM CODE					'15' DISABLED
552-555	28	USER #26 ARM/DISARM CODE					'15' DISABLED
556-559	28	USER #27 ARM/DISARM CODE					'15' DISABLED
560-563	28	USER #28 ARM/DISARM CODE					'15' DISABLED
564-567	28	USER #29 ARM/DISARM CODE					'15' DISABLED
568-571	28	USER #30 ARM/DISARM CODE					'15' DISABLED

ENABLING ARM/DISARM CODES 16-30 BY PARTITION (OPTIONAL)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
572	29	PARTITION(S) FOR USER #16 ARM/DISARM CODE		'15' ALL
573	29	PARTITIONS FOR USER #17 ARM/DISARM CODE		'15' ALL
574	29	PARTITIONS FOR USER #18 ARM/DISARM CODE		'15' ALL
575	29	PARTITIONS FOR USER #19 ARM/DISARM CODE		'15' ALL
576	29	PARTITIONS FOR USER #20 ARM/DISARM CODE		'15' ALL
577	29	PARTITIONS FOR USER #21 ARM/DISARM CODE		'15' ALL
578	29	PARTITIONS FOR USER #22 ARM/DISARM CODE		'15' ALL
579	29	PARTITIONS FOR USER #23 ARM/DISARM CODE		'15' ALL
580	29	PARTITIONS FOR USER #24 ARM/DISARM CODE		'15' ALL
581	29	PARTITIONS FOR USER #25 ARM/DISARM CODE		'15' ALL
582	29	PARTITIONS FOR USER #26 ARM/DISARM CODE		'15' ALL
583	29	PARTITIONS FOR USER #27 ARM/DISARM CODE		'15' ALL
584	29	PARTITIONS FOR USER #28 ARM/DISARM CODE		'15' ALL
585	29	PARTITIONS FOR USER #29 ARM/DISARM CODE		'15' ALL
586	29	PARTITIONS FOR USER #30 ARM/DISARM CODE		'15' ALL
587	29	EARLY–TO-OPEN, LATE-TO-CLOSE = '1', AUTO ARM = '3'		'0' DISABLED

PARTITIONED SYSTEMS

VALUE	CHARCTERISTIC
1	Partition #1
2	Partition #2
4	Partition #3
8	Partition #4

NON PARTITIONED SYSTEMS

VALUE	CHARACTERISTIC
1	Standard Arm/Disarm Code
2	Arm Only After Closing Time
4	Arm Only Code
8	Open/Close Reports For User

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA 1	DATA 2	DATA 3	DATA 4	DEFAULT
588-591	29	COMMUNICATOR CODE FOR LATE CLOSING					'0-0-0-5'
592-595	29	COMMUNICATOR CODE FOR EARLY OPENING					'0-0-0-5'
596-599	30	DOWNLOAD COMPLETE REPORT					'0-0-0-5'
600-603	30	OPENING TIME					'0-6-0-0'
604-607	30	CLOSING TIME					'2-0-0-0'
608	30	CLOSED SATURDAY					'0' DISABLED
609	30	CLOSED SUNDAY					'0' DISABLED

FORMAT OVERRIDES

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
610-615	30	FORMAT OVERRIDES		'0-0-0-0-0-0'

COMMUNICATOR CODES (CONTINUED)

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
616	30	HOUR FOR AUTO TEST – TENS DIGIT		'0' DISABLED
617	30	HOUR FOR AUTO TEST – ONES DIGIT		'0' DISABLED
618	31	MINUTE FOR AUTO TEST – TENS DIGIT		'0' DISABLED
619	31	MINUTE FOR AUTO TEST – ONES DIGIT		'0' DISABLED
620-621	31	AUTOTEST INTERVALS		'0' DISABLED
622	31	AUTO INITIATED DOWNLOAD CALL		'0' DISABLED
623	31	AC POWER LOSS DELAY (1 MINUTE INCREMENTS)		'5' 5 MIN DELAY
624	31	ELAPSED DAYS SINCE LAST AUTOTEST – TENS DIGIT		'0' DISABLED
625	31	ELAPSED DAYS SINCE LAST AUTOTEST – ONES DIGIT		'0' DISABLED
626	31	CURRENT DAY OF THE WEEK (SUNDAY – '1' THRU SATURDAY = '7')		UNDEFINED
627	31	CURRENT MONTH (JANUARY = '1' THROUGH DECEMBER = '12')		UNDEFINED
628	32	CURRENT DAY OF THE MONTH – TENS DIGIT (21^{ST} = '2')		UNDEFINED
629	32	CURRENT DAY OF THE MONTH – ONES DIGIT (21^{ST} = '1')		UNDEFINED
630	32	CURRENT YEAR – TENS DIGIT		UNDEFINED
631	32	CURRENT YEAR – ONES DIGIT		UNDEFINED
632	32	CURRENT HOUR – TENS DIGIT		UNDEFINED
633	32	CURRENT HOUR – ONES DIGIT		UNDEFINED
634	32	CURRENT MINUTE – TENS DIGIT		UNDEFINED
635	32	CURRENT MINUTE – ONES DIGIT		UNDEFINED

THE FOLLOWING LOCATIONS ARE ACCESSIBLE ONLY THROUGH DOWNLOADING

LOCATION	PAGE	DESCRIPTION	DATA	"DEFAULT"
000-007	33	CONTROL PANEL ACCESS CODE		'90000000'
008-015	33	CALLBACK PHONE NUMBER, DIGITS 1-8		'0' DISABLED
016-023	33	CALLBACK PHONE NUMBER, DIGITS 9-16		'0' DISABLED
024	33	CALLBACK ENABLE		'0' DISABLED
025	33	LOCAL PROGRAMMING LOCKOUT		'0' DISABLED
026	33	CONTROL PANEL SHUTDOWN		'0' DISABLED

APPENDIX 1

This document lists the event reporting codes for Ademco Contact ID reporting in the DL-300E. The event codes are programmed by placing a number from 0-15 in the "100's" location of the communicator code for the event being reported. The 10 's and 1's digit rogrammed are sent as the Zone Identifier. The following event codes will be sent for the digit programmed:

PROGRAMMED 100's DIGIT	ADEMCO	EVENT CODE	DEFINITION
0	122	Silent panic	
1	110	Fire	
2	120	Panic	
3	130	Burglary	
4	131	Perimeter Burglary	
5	132	Interior Burglary	
6	133	24 Hour Auxiliary	
7	134	Entry/Exit Burglary	
8	135	Day/Night Burglary	
9	150	Non-burg 24 Hour	
10	121	Duress	
11	100	Medical Alarm	
12	123	Audible Panic	

If the following numbers are programmed for the contact ID event code, the event code will be made up of 3 alternate programming locations according to the following:

PROGRAMMED 100's DIGIT	PROGRAMMING LOCATIONS
13	365,366, 367
14	369, 370, 371
15	373, 374, 375

The following event codes are sent automatically but must be enabled by programming a 1 in the communicator code location for that report:

REPORTING EVENT	ADEMCO EVENT DIGIT	LOCATIONS
Code pad Tamper	137	336
Autotest	602	340
Checksum Error	300	344
Opening/Closing	401	348 / 360
Cancel	406	354
A.C.Loss	301	356
Restore	Event code for alarm	364
Zone Bypass	570	368
Zone Trouble	380	372
Low Battery	302	260
Battery Test Fail	309	360 / 255
Late to Close	404	592
Early to Open	400	588
Download Complete	410	596

APPENDIX 2

This document describes the DL-300E reporting event codes when using the SIA format (format 14). The following codes are programmable and are sent when the 100's digit is programmed as the event code. The 10's and 1's digit are then sent as a zone identifier.

PROGRAMMED 100's DIGIT	SIA CODE	DEFINITION
0	PA	PANIC ALARM
1	FA	FIRE ALARM
2	PA	PANIC ALARM
3	BA	BURGLARY ALARM
4	GA	GAS ALARM
5	KA	HEAT ALARM
6	WA	WATER ALARM
7	QA	EMERGENCY ALARM
8	SA	SPRINKLER ALARM
9	UA	UNTYPED ALARM
10	HA	HOLDUP ALARM
11	MA	MEDICAL ALARM
12	ZA	FREEZE ALARM
13	TA	TAMPER ALARM
14	RP	PERIODIC TEST
15		RESERVED

The following event codes are fixed but must be enabled by programming a 1 in the corresponding location.;

REPORTING EVENT	SIA CODE	LOCATION
TAMPER	TA	336
AUTOTEST	RP	340
CHECKSUM ERROR	YF	344
OPENING	OP	348
CLOSING	CL	350
CANCEL	OC	354
AC LOSS	AT	356
LOW BATTERY	YT	360
RESTORE CODE	*R	364
BYPASS CODE	*B	368
BYPASS RESTORE	*U	368 / 364
TROUBLE CODE	*T	372
TROUBLE RESTORE	*R	372 / 364
AC RESTORE	AR	376
BATTERY RESTORE	YR	376
FAIL TO CLOSE	CI	592
EARLY OPENING	OK	588
DOWNLOAD COMPLETE	RS	596

The character transmitted in this slot will be the first character in the SIA code from the top list for the event being reported. If a "1" is programmed in location 374, and a Burglary Alarm (B A) restores, a B R will be transmitted. If a " 1" is programmed in location 372, and a Fire Alarm (F A) zone goes into Trouble, an (FT) will be transmitted.

APPENDIX 3

Certain older and unusual receivers have formats other than those listed on page 10. Locations 610 through 615 provide various methods to duplicate these unusual formats. Included in these overrides is the ability to call and report to a personal pager. The timer adjustment options allowed in locations 610 and 611 sometimes can compensate for substandard, or older telephone exchanges. It is suggested that you call DAS technical assistance the first time you attempt to use these override options.

Location 610 - Inter-round time of a two round parity transmission. The inter-round time will be the nubmer contained in location 610 times 800 mSec. If location 610 is "0", the time is determined by the individual formats in locations 101 and 123.

Location 611 - Inter digit time of a pulse format. If the number programmed in location 611 is something other than the inter-digit time will be that number divided bythe PPS. For example, if the number in location 611 is "10", and the format is a 20PPS format, the inter-digit time will be 10/20 of 0.5 secconds.

For locations 612 through 615, you must add the listed values for the desired characteristics and program the sum in the appropriate location. If the value is not added for locations 612 and 613, the converse mode will be enabled for those locations If the value of 1 is not added to location 612, the transmitted frequency will be 1900 Hz. If the value of 2 is not added to location 613, the communicator will not transmit hex digits. If neither of values 4 or 8 are added of location 613, the communicator will send messages at 40 PPS.

Location 612 -	VALUE	DESCRIPTION
The number programmed in this location will determine the selected default as desired.	1	Set for 1800 Hz pulse transmit frequency
	2	Set for 2300 Hz handshake frequency
	4	Set for signal round checksum frequency
	8	Set for 2 digit event code

Location 613 -	VALUE	DESCRIPTION
The number programmed in this location will determine the selected default as desired.	1	Set for extended reporting
	2	Set for hex digits
	4	Set for 20 PPS
	8	Set for 10 PPS

Location 614 -	VALUE	DESCRIPTION
The number programmed in this location will determine the selected default as desired.	1	Set for domestic dialing format
	2	Set for Ademco handshake
	4	Reserved
	8	Set for FBI Superfast

Location 615 -	VALUE	DESCRIPTION
The number programmed in this location will determine the selected default as desired.	1	Set for Contact ID and Ademco Highspeed
	2	Reserved
	4	Set for 4/3 and Contact ID
	8	Set for DTMF transmission format (4/2 Express, Superfast, Ademco Highspeed & Contact ID)

SPECIFICATIONS

OPERATING POWER	16.5 VAC 50 VA Transformer
AUXILIARY POWER	12 V DC Regulated 1 AMP
LOOP RESISTANCE	300 Ohms Maximum
BUILT-IN SIREN DRIVER	2-tone (Steady and Yelp)
LOOP RESPONSE	Selected to 500ms
OPERATING TEMPERATURE	32 to 120 degrees F
CODE PAD DIMENSIONS	6.45" Wide
	4.12" High
	.850" Deep
METAL ENCLOSURE DIMENSION	11.25" Wide
	16.25" High
	3.50" Deep
SHIPPING WEIGHT	12 lbs

WARRANTY STATEMENT

DIRECT ALARM SUPPLIES GUARANTEES THIS PRODUCT AGAINST DEFECTIVE PARTS AND WORKMANSHIP FOR TWENTY-FOUR (24) MONTHS FROM DATE OF PURCHASE. IF ANY DEFECT APPEARS DU AINGTHE WARRANTY PERIOD, RETURN IT TO DAS, POSTAGE PREPAID. THE UNIT WILL BE REPAIRED AND RETURNED. DAS ASSUMES NO LIABILITY FOR CONSEQUENTIAL OR INDIRECT DAMAGE AND ACCEPTS NO RESPONSIBILITY FOR REPAIRING DAMAGE TO THE PRODUCT CAUSED BY MISUSE, CARELESS HANDLING, OR WHERE REPAIRS HAVE BEEN MADE BY OTHERS.

NO OTHER GUARANTEE, WRITTEN OR VERBAL, IS AUTHORIZED BY OR ON BEHALF OF DIRECT ALARM SUPPLIES, 9 NOW ILL STREET CONDELL PARK NSW.

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